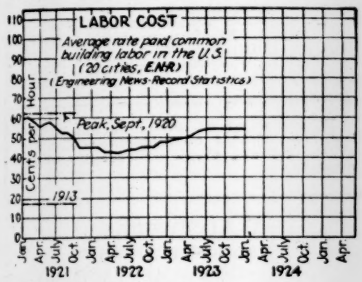
CONSTRUCTION NEWS

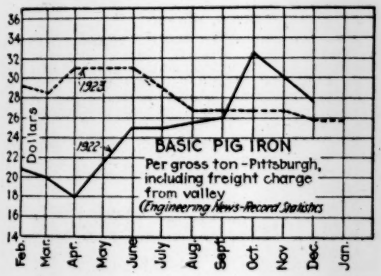
Engineering News-Record, February 7, 1924

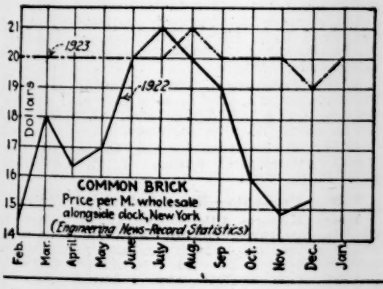
The Construction Barometer

Cement, Brick and Lumber Prices Firmer as Spring Buying Approaches — 1923 Wage Schedules Prevail in Many Cities

WITH mills operating at 80 to 90 per cent of capacity, a continued improvement is evident in the demand for steel. A similar condition also exists in pig-iron buying. Despite the stronger demand and an estimated 10 per cent increase in production cost, due to the adoption of the 8-hr. shift, slight deviations from the $2.50 base on steel structurals, have been recently noted. Cement, brick and pine lumber prices are gradually becoming firmer as the spring buying season approaches. In eleven out of sixteen important cities reporting regularly to *Engineering News-Record*, satisfactory labor conditions are in evidence, with little tendency toward the adoption of higher wage schedules for the 1924 building season.







Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Jan. 17	$9,074,000	$28,657,000	$37,731,000
Jan. 24	12,455,000	13,457,000	25,912,000
Jan. 31	8,013,000	25,998,000	34,011,000
3 weeks	$29,542,000	$68,112,000	$97,654,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

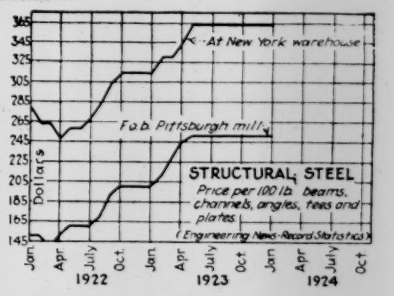
Week Ended	Public No.	Public Work	Private No.	Private Work
Jan. 17	9	$2,551,000	38	$20,232,000
Jan. 24	12	5,710,000	26	6,476,000
Jan. 31	5	1,704,000	35	16,119,000
3 weeks	26	$9,965,000	99	$42,827,000

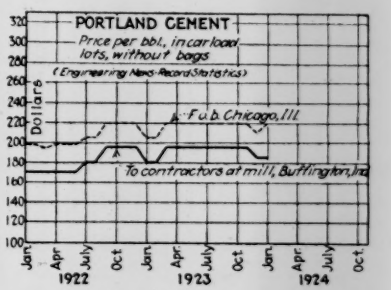
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

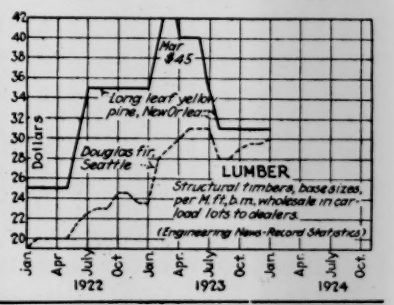
Week Ended	Private	Public All	Public Streets and Roads	Public Waterworks and Sewers	Public All Buildings
Jan. 17	40	155	37	30	49
Jan. 24	39	205	55	31	66
Jan. 31	44	195	46	37	63

CEMENT AND LUMBER FIRM—SLIGHT CONCESSIONS IN STEEL DESPITE HEAVY BUYING

	Quoted on Feb. 7, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.35 @2.50	$2.50	Jan. 31
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	61.00	60.00	Jan. 24
Fir, San Fran., M.ft.	36.00	38.00	Jan. 24
Common labor, hr.	.54	.53	June 28







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Feb. 9	Coney Island (Brooklyn P. O.) N. Y.	Feb. 7
Feb. 11	Fairmont, Okla.	Jan. 17
Feb. 11	McKeesport, Pa.	Jan. 17
Feb. 11	Armory (Springfield P. O.), Mass. Adv. Jan. 31 and Feb. 7.	Jan. 31
Feb. 12	Greensboro, N. C.	Jan. 31
Feb. 12	Faribault, Minn.	Feb. 7
Feb. 13	St. Paul, Minn.	Feb. 7
Feb. 14	Rochester, Minn.	Feb. 7
Feb. 15	Buffalo, N. Y.	Feb. 7
Feb. 15	University Place (Lincoln P. O.), Neb.	Feb. 7
Feb. 18	Bedford, Ind.	Jan. 31
Feb. 18	Pacific Grove, Calif.	Feb. 7
Feb. 18	Casper, Wyo.	Feb. 7
Feb. 19	Woodbury, N. J. Adv. Feb. 7.	Feb. 7
Feb. 19	Bloomington, Ind.	Jan. 24
Feb. 19	Corsicana, Tex.	Jan. 24
Feb. 20	San Francisco, Calif.	Jan. 24
Feb. 20	Goldsboro, N. C.	Jan. 31
Feb. 20	Phillip, Wis.	Jan. 31
Feb. 20	Hammond, Ind.	Jan. 31
Feb. 21	Phila., Pa.	Feb. 7
Feb. 21	Palmyra, N. Y. Adv. Jan. 31 and Feb. 7	Feb. 7
Feb. 22	Smithfield, N. C.	Jan. 31
Feb. 28	Buffalo, N. Y.	Feb. 7
Mar. 4	Gloversville, N. Y. Adv. Jan. 31 and Feb. 7.	Jan. 31

SEWERS

Bids Close		See Eng. News-Record
Feb. 11	Pleasantville, N. Y. Adv. Jan. 10 to Feb. 7.	Jan. 17
Feb. 11	Carthage, Mo.	Jan. 31
Feb. 11	Long Island City, N. Y.	Feb. 7
Feb. 11	Winona, Minn.	Feb. 7
Feb. 12	Big Springs, Tex.	Jan. 24
Feb. 12	University (St. Louis P. O.), Mo.	Jan. 24
Feb. 12	Elizabethtown, Ky.	Jan. 17
Feb. 12	Greensboro, N. C.	Jan. 31
Feb. 15	Milwaukee, Wis.	Feb. 7
Feb. 16	Wisconsin	Feb. 7
Feb. 19	Lyndonville, N. Y. Adv. Jan. 31 and Feb. 7.	Jan. 31
Feb. 23	Lima, O. Adv. Feb. 7.	Feb. 7
Feb. 27	Mobile, Ala. Adv. Jan. 31 and Feb. 7.	Feb. 7
Feb. 29	Wash., D. C. Adv. Feb. 7.	Feb. 7

Bids Close		See Eng. News-Record

BRIDGES

Feb. 13	Phila., Pa. Adv. Jan. 17 to Feb. 7.	Jan. 17
Feb. 13	Columbus, Ga.	Feb. 7
Feb. 14	Mendota, Minn.	Jan. 24
Feb. 15	Richmond, Tex.	Feb. 7
Feb. 15	Illinois	Feb. 7
Feb. 19	Blakeley, Minn.	Feb. 7
Feb. 20	New York Adv. Jan. 17 to Feb. 7.	Jan. 17
Feb. 20	Tohlequoh, Okla.	Feb. 7
Feb. 27	Austin, Minn.	Feb. 7
Feb. 28	Houston, Tex.	Feb. 7
Mar. 3	St. Paul, Minn. Adv. Jan. 24 to Feb. 7.	Jan. 24
Mar. 10	St. Anne de Bellevue, Que.	Jan. 31
May 1	Tientsen, North China	Oct. 11

DAMS

Feb. 14	Phila., Pa.	Jan. 31
Mar. 1	Kingston, Jamaica — West Indies	Feb. 7

RAILWAYS

Mar. 18	New Zealand	Sept. 20
Apr. 1	Indiana	Jan. 24

EXCAVATION, DRAINAGE IRRIGATION

Feb. 12	Shrewsbury, La.	Feb. 7
Feb. 15	Bartow, Fla.	Feb. 7
Feb. 15	Morehead City, N. C.	Jan. 24
Feb. 15	North Carolina	Jan. 31
Feb. 18	Tampa, Fla. Adv. Jan. 24 to Feb. 7.	Jan. 24
Feb. 25	Kingston, Pa. Adv. Feb. 7.	Feb. 7

STREETS AND ROADS

Feb. 9	Plantagenet, Ont.	Feb. 7
Feb. 11	Scottsburg, Ind.	Jan. 17
Feb. 11	Long Island City, N. Y.	Feb. 7
Feb. 11	Oklahoma City, Okla.	Feb. 7
Feb. 11	New York, N. Y.	Feb. 7
Feb. 12	Salem, N. J. Adv. Jan. 31 and Feb. 7.	Jan. 31
Feb. 12	Oklahoma City, Okla.	Feb. 7
Feb. 12	Ballinger, Tex.	Feb. 7
Feb. 12	Norman, Okla.	Feb. 7
Feb. 13	Baltimore, Md.	Feb. 7
Feb. 13	Akron, O.	Feb. 7
Feb. 14	Jasper, Ind.	Jan. 17
Feb. 14	New York, N. Y.	Feb. 7
Feb. 15	Illinois	Jan. 31
Feb. 15	Anniston, Ala.	Jan. 24
Feb. 15	Alpine, Tex.	Jan. 31
Feb. 15	Ohio	Jan. 31
Feb. 15	Oklahoma City, Okla.	Jan. 31
Feb. 15	New Hampshire	Feb. 7
Feb. 15	New York, N. Y.	Feb. 7
Feb. 17	Atlantic, Ia.	Feb. 7
Feb. 18	New Philadelphia, O.	Jan. 24
Feb. 18	Houston, Tex.	Feb. 7
Feb. 18	San Diego, Calif.	Feb. 7
Feb. 18	California	Feb. 7
Feb. 19	St. Louis, Mo.	Jan. 24
Feb. 19	Morristown, N. J. Adv. Feb. 7.	Feb. 7
Feb. 25	Daingerfield, Tex.	Feb. 7
Feb. 26	Plymouth, Wis.	Jan. 31
Feb. 26	Plymouth, Wis.	Feb. 7
Feb. 26	Greenville, Tex.	Feb. 7
Feb. 27	Rio Grande, Tex.	Feb. 7
Feb. 28	Kenosha, Wis.	Jan. 17
Mar. 1	Tuscaloosa, Ala.	Jan. 31
Mar. 4	Beaumont, Tex.	Feb. 7
Mar. 11	Washington	Jan. 10
Mar. 11	Antigo, Wis.	Feb. 7
Mar. 18	Washington	Feb. 7

INDUSTRIAL WORK

Feb. 11	Green Bay, Wis.	Jan. 31
Feb. 11	Dallas, Tex.	Feb. 7
May 21	Wellington, New Zealand	Jan. 10

BUILDINGS

Feb. 8	Baltimore, Md.	Feb. 7
Feb. 10	Trenton, N. J.	Jan. 10
Feb. 10	Albany, N. Y.	Feb. 7
Feb. 11	Claymont, Ill.	Jan. 24
Feb. 11	Urbana, Ill.	Jan. 31
Feb. 11	Hamburg, N. Y.	Jan. 31
Feb. 11	Portsmouth, O.	Jan. 31
Feb. 12	Falls City, Neb.	Jan. 31
Feb. 12	Milwaukee, Wis.	Feb. 7
Feb. 12	Kansas City, Mo.	Feb. 7
Feb. 13	Industry, N. Y.	Jan. 17
Feb. 14	Phoenixville, Pa.	Jan. 31
Feb. 14	Youngstown, O.	Jan. 31
Feb. 14	Ft. Dodge, Ia.	Feb. 7
Feb. 15	Wausau, Wis.	Jan. 31
Feb. 15	Waukegan, Ill.	Jan. 24
Feb. 15	Bellaire, O.	Jan. 31
Feb. 15	Tiffin, O.	Jan. 31
Feb. 15	Ypsilanti, Mich.	Jan. 31
Feb. 15	Minneapolis, Minn.	Jan. 31
Feb. 15	Beardstown, Ill.	Feb. 7
Feb. 16	Milwaukee, Wis.	Jan. 31
Feb. 16	Baltimore, Md.	Jan. 31
Feb. 18	Wheaton, Ill.	Jan. 31
Feb. 18	Boston, Mass.	Feb. 7
Feb. 18	Tyler, Tex.	Feb. 7
Feb. 19	Appleton, Wis.	Jan. 31
Feb. 19	Milwaukee, Wis.	Jan. 31
Feb. 19	Bluefield, W. Va.	Feb. 7
Feb. 19	Ashland, O.	Feb. 7
Feb. 19	Akron, O.	Feb. 7
Feb. 20	Irvington (branch of Newark), N. J.	Jan. 24
Feb. 20	Huntington, W. Va. Adv. Jan. 24 to Feb. 7.	Jan. 24
Feb. 20	Lecompte, La.	Feb. 7
Feb. 25	Rome, N. Y.	Jan. 31
Feb. 25	Amarillo, Tex.	Feb. 7
Feb. 26	Brooklyn, N. Y.	Feb. 7
Feb. 26	Long Island City, N. Y.	Feb. 7
Feb. 27	Vermilion, S. D.	Feb. 7
Feb. 28	Phila., Pa.	Jan. 31
Mar. 1	Gilbert, Minn.	Feb. 7
Mar. 1	Akron, O.	Jan. 24
Mar. 1	Chattanooga, Tenn.	Jan. 31
Mar. 3	Rhinelander, Wis.	Jan. 31
Apr. 1	Duluth, Minn.	Feb. 7
Apr. 1	Atlantic City, N. J.	Feb. 7
May 1	Youngstown, O.	Feb. 7

FEDERAL GOVERNMENT WORK

Feb. 11	Sub-Post Office—Memphis, Tenn.	Jan. 10
Feb. 11	Laundry — Northampton, Mass.	Jan. 17
Feb. 11	Steel Castings, etc.—Louisville, Ky. Adv. Jan. 17 to Feb. 7.	Jan. 17
Feb. 11	Artesian Wells—Vicksburg, Miss.	Jan. 31
Feb. 11	Lumber—Louisville, Ky.	Feb. 7
Feb. 12	Roof—Baltimore, Md.	Jan. 24
Feb. 12	Crib Timber—Louisville, Ky.	Feb. 7
Feb. 13	Laundry Equipment—New York, N. Y. Adv. Jan. 31 and Feb. 7.	Jan. 31
Feb. 13	Mooring Mast—Ft. Worth, Tex.	Jan. 31
Feb. 14	Stone—Portland, Ore. Adv. Jan. 17 to Feb. 7.	Jan. 17
Feb. 14	Breakwater — Gulfport, Miss. Adv. Jan. 24 to Feb. 7.	Jan. 24
Feb. 14	Storehouse—Fort Tilden (Far Rockaway Sta.), N. Y. Adv. Jan. 31 and Feb. 7.	Feb. 7
Feb. 15	Kitchen and Mess Hall — Prescott, Ariz.	Jan. 17
Feb. 15	Steel Forging, etc.—Owensboro, Ky.	Jan. 17
Feb. 20	Cement—Milwaukee, Wis. Adv. Jan. 24 to Feb. 7.	Jan. 24
Feb. 20	Steel Bars—Milwaukee, Wis. Adv. Jan. 24 to Feb. 7.	Jan. 24
Feb. 23	Steel Barges—Florence, Ala. Adv. Feb. 7.	Feb. 7
Feb. 25	Dredging—Chelsea, Mass.	Feb. 7
Feb. 25	Laundry—American Lake, Wash. Adv. Jan. 24 to Feb. 7.	Jan. 24
Feb. 25	Dredging—Plymouth, Mass. Adv. Jan. 31 and Feb. 7.	Jan. 31
Feb. 26	Water Piping, etc.—Phila., Pa Adv. Jan. 31 and Feb. 7.	Jan. 31
Feb. 27	Barrack — Puget Sound, Wash.	Jan. 31
Feb. 28	Steel Boat Hull—Huntington, W. Va. Adv. Jan. 31 and Feb. 7.	Jan. 31
Feb. 28	Dump Scow—Duluth, Minn. Adv. Jan. 31 and Feb. 7.	Jan. 31
Mar. 1	Turbines—Florence, Ala. Adv. Jan. 17 to Feb. 7.	Jan. 17
Mar. 1	Hospital Ward—Fort Sill, Okla. Adv. Feb. 7.	Feb. 7
Mar. 3	Dredging—Galveston, Tex. Adv. Feb. 7.	Feb. 7
Mar. 3	Boats—Wash., D. C. Adv. Feb. 7.	Feb. 7
Mar. 4	Dredging—Providence, R. I. Adv. Feb. 7.	Feb. 7
Mar. 4	Switchboard Apparatus — Florence, Ala.	Feb. 7
Mar. 10	Stone—Humboldt Bay, Calif.	Jan. 24

UNCLASSIFIED

Feb. 11	Levee—Charleston, Miss.	Feb. 7
Feb. 12	Grade Separation—Springwells, Mich. Adv. Jan. 31.	Jan. 31
Feb. 12	Levee—Jonesboro, Ark.	Jan. 31
Feb. 14	Tower—New Orleans, La.	Jan. 24
Feb. 19	Parking Court—San Francisco, Calif.	Jan. 31
Feb. 23	Dike, Bulkhead, etc. — Plymouth, Mass. Adv. Feb. 7.	Feb. 7
Feb. 25	Sea Wall, Dock and Sewer— New Haven, Conn. Adv. Jan. 31 and Feb. 7.	Jan. 31
Mar. 31	Hopper Dredge — Brisbane, Queensland, Australia	Nov. 1
Apr. 30	Headworks—Wellington, New Zealand	Dec. 13

MATERIALS AND EQUIPMENT

Feb. 8	Asphaltic Cement, etc.—Trenton, N. J.	Jan. 31
Feb. 8	Stone—Newark, N. J.	Jan. 31
Feb. 11	Coal Tar Pitch Filler, etc. — Cincinnati, O.	Jan. 31
Feb. 13	Pipe—Pierre, S. D.	Jan. 24
Feb. 13	Wood Block, Asphalt, etc.—St. Paul, Minn.	Feb. 7
Feb. 14	Markers—Wisconsin	Feb. 7
Feb. 14	Sand Grits—New York, N. Y.	Feb. 7
Feb. 15	Steam Rollers—New York, N. Y.	Feb. 7
Feb. 15	Borings—New York	Feb. 7
Feb. 15	Shaft Superstructure—New York, N. Y.	Feb. 7
Feb. 18	Tractors, etc.—Houston, Tex.	Feb. 7
Feb. 19	Road Maintenance Equipment —Texas	Feb. 7
Feb. 20	Portable Road Repair Outfit —Chicago, Ill. Adv. Feb. 7.	Feb. 7
Feb. 25	Hoisting Machinery and Equipment—Ft. Wayne, Ind. Adv. Feb. 7.	Feb. 7
Feb. 26	Supplies—Toronto, Ont.	Feb. 7
Mar. 19	Tractor—Benson, Minn.	Feb. 7

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Perrysburg—City of Buffalo plans 5 mi. c.i. pipe line and pumping station, here, will exceed $50,000. F. X. Schwab, City Hall, Buffalo, mayor.

Pa., Sharon—City having plans prepared 3 story 80 x 200 ft. brick addition to mechanical filtration plant here, 3,000,000 gal. capacity, 150,000, also plans several booster stations along distribution lines, $65,000. Burgess & Nipel, 223 East Broad St., Columbus, O., engrs.

Fla., Miami Beach—Feb. 19 to vote on $100,000 bonds extending and developing waterworks system. Van Allen Harris, city mgr.

Fla., Lake Alfred — Having plans and estimates made mains, hydrants, 75 ft. tower and 60,000 gal. tank. J. B. McCrary Co., Citizens & Southern Bank Bldg., Atlanta, Ga., engrs. Noted Jan. 24.

Tenn., Nashville—Bd. Pub. Wks. plans to purchase 1,000 water meters.

Ill., Jerseyville—Having preliminary plans prepared 8 to 10 mi. 4-in. mains. $60,000. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, Mo., engr.

Wis., Menomonee Falls—Having preliminary plans prepared new water and sewerage systems. $25,000. W. G. Caldwell, Ovitt Blk., Waukesha, engr.

Wis., Wauwatosa—Plans to install 800 g.p.m. centrifugal pump. J. E. Lowther, City Hall, engr.

Kan., Fredonia—See "Industrial Works."

Kan., Kansas City—Soon takes bids one 60 hp. horizontal motor with controls and chain drive, one 10-in. vertical pump with motor, three 2-in. and four 20-in. vertical pumps with motors and controls. G. T. Durby, purch. agt.

Kan., Sterling—Plans to install equipment incl. centrifugal pumps, tank and tower. Ruckel Eng. Co., Hutchinson, engrs.

Minn., Rochester—Plans 200,000 gal. standpipe and other waterworks improvements. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, engr.

Wyo., Casper—Making plans and takes bids in March, additional 10 m.g. storage reservoir, incl. 60,000 cu.yd. earth excav., concrete lining, $75,000; addition to pumping station on Platte River, incl. one centrifugal pump, 1,500 g.p.m., against combined static and friction head of 300 ft.; one semi-Diesel type 200 hp. internal combustion engine, etc. E. W. Fassett, city engr. Noted Nov. 8.

Mo., St. Joseph—Plans improving waterworks. $600,000. W. K. Seitz, city engr.

Mo., Seneca—Making plans new water system, well, mains, tower and pumping equipment. $30,000. H. G. Olmsted, 2230 West 18th St., Oklahoma City, Okla., engr.

Waterworks (Continued)

Mo., Thayer—Soon takes bids waterworks and ice plant. $75,000. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs. Noted Jan. 17.

Mo., Trenton—Election Feb. 12, $33,000 bonds waterworks and distribution system.

Tex., Brenham—Voted $25,000 bonds waterworks purification plant. A. M. Krug, city secy. Noted Jan. 17.

Okla., Apperson—Election Feb. 15, $85,000 bonds, new water system tank, well, pumping equipment and valves. R. Flood, Drumwright engr. Noted Jan. 24.

Okla., Oklahoma City—City received no bids Jan. 15, waterworks improvements. Will revise plans and readvertise. Noted Dec. 20.

Calif., Azusa—Azusa Water Co. plans distributing system in San Bernardino Rd. between Covina and Baldwin Park. $100,000.

Calif., Tracy—Had plans prepared additional unit for waterworks, incl. deep well turbine pump, 750 g.p.m., operated by 60 hp. electric motor, with compensator, switchboard, etc., also 75 hp. gas engine, etc. $8,000 or more. W. D. Harrington, city engr.

BIDS DESIRED

N. Y., Buffalo—Feb. 15, by W. F. Schwartz, Comr. Pub. Wks., Municipal Bldg., 2,364 tons 6- to 16-in. c.i. pipe, 48 tons 6- to 16-in. c.i. specials, 150 hydrants, and three hundred twelve 6, 8 and 16 in. iron body bronze mounted heavy hub end gate valves.

N. Y., Buffalo—Feb. 28, by Commissioner Pub. Wks., Municpal Bldg. centrifugal pumps, motors, also switch board and switch board apparatus for low lift pumping station. G. C. Andrews, Col. Ward Pumping Sta., engr. Fuller & McClintock, 170 Bway., New York City, consult. engrs.

N. Y., Coney Island (Brooklyn P. O.)—Feb. 9, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, high pressure fire service mains and appurtenances in Surf and Stillwater Aves., West 6th, West 8th, West 10th, and West 12th Sts., etc., here. $70,000.

N. Y., Palmyra—Feb. 21, by Bd. Village Trustees, distributing reservoir, storage reservoir, slow sand filter, pump well, etc. Hopkins & Field, 349 Cutler Bldg., Rochester, engrs.; adv. E.N.-R. Feb. 7.

N. J., Woodbury—Feb. 19, by C. S. Davis, city clk., 16 in. distribution main and reservoir connections. W. H. Boardman, 426 Walnut St., Phila., engr.; adv. E. N.-R. Feb. 7.

Pa., Phila.—Feb. 21, by Dept. Pub. Wks., Room 216, City Hall, 48 ft. steel water main to connect the West Phila. water supply system with main city system, in Girard Ave. from 31st to 40th Sts., and across Schuylkill River on new steel trusses to be erected under existing Girard Ave. Bridge, about 1 mi. long. $250,000. Private plans. Noted Jan. 31.

Minn., Faribault—Feb. 12, 108 tons 6-in. and 13 tons 8-in. Class B pipe, 12-ft. lengths; 8 tons fitting. S. M. Andrews, city recdr.

Minn., Rochester—Feb. 14, by Bd. Pub. Utilities, 395 tons c.i. pipe, 10 tons specials and fittings. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, engr.

Minn., St. Paul—Feb. 13, by H. W. Austin, city purch. agt., approximately 120 tons c.i. water pipe specials, brass water gate valves, corporation and curb cocks, one 19 x 60 ft. and one 12 x 98 ft. steel standpipes, 151 lin.ft. 60 in. O. D. steel pipe, 2 special bends for 60 in. pipe, about 2,367 lb. special iron castings, all for Water Dept.; 800 sq.yd. sandstone blocks for street repair, for Dept. Pub. Wks. G. M. Shepard, city engr.

Kan., Russell—Feb. 4, by J. W. Murphy, city clk., 820 tons 8-in. Class B, C, D, H and S c.i. pipe, 2 tons 6-in. specials, 19 valves and 15 valve boxes, two 30-in. steel or concrete cased wheels, 32 ft. deep, laying 33,000 ft. 8-in. c.i. pipe and constructing 2 brick pump houses. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Dec. 27.

Neb., University Place (Lincoln P. O.)—Feb. 15, improving waterworks, 500,000 gal. rein.-con. reservoir, high lift pumping station, deep well pump building, 12 in. well, 160 ft. deep, two 500 g.p.m. centrifugal pumps, 81.5 tons c.i. pipe and specials, laying 3,000 ft. 8 and 10 in. pipe, etc. Grant, Fulton & Letton, Bankers Life Bldg., Lincoln, engrs. Noted Jan. 10.

Wyo., Casper—Feb. 18, 26,000 ft. 4-in., 4,000 ft. 6-in. and 6,350 ft. 8-in. Class B c.i. bell and spigot pipe; 61 tees, reducers, etc.; 74 valves, 4 to 8 in.; 25 Kennedy hydrants; 100 extension valve boxes, 25 tons pig lead, etc. E. W. Fassett, Box 1143, city engr. Noted Nov. 8.

Tex., Houston—H. L. Washburn, aud. Harris Co. Navigation Dist. taking bids one 1,000 g.p.m. fire pump underwriters stand, c.i. pipe and fittings. $25,000. E. A. Tucker, Court House, engr.

Calif., Pacific Grove—Feb. 18, by E. S. Johnston, city clk., 4,000 ft. 1½ in. and 500 ft. 1¼ in. Greenfield hot dipped galvanized conduit or equal.

Calif., South Pasadena (Branch of Pasadena)—See Streets and Roads.

BIDS RECEIVED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Jan. 30, mains in Hawtree Creek, Hasbrouck, Hutton and Meyer Rds., Lefferts Blvd., Ocean Ave., Gold, North and Silver Sts., and across Dunton Canal between Hawtree Creek Rd. and Ocean Ave., here, from Beaver Eng. & Contg. Co., 51 Chambers St., New York, $68,828. Noted Jan. 24.

Wis., Milwaukee—For 100 more or less, fire hydrants, from R. D. Wood, 514 Walnut St., Phila., $80.50 each. Former bids rejected. Noted Jan. 24.

Calif., Los Angeles—Pipe, from Grinnell Co. of the Pacific, 439 East 3rd St., 750 pieces of 10 in. c.i. pipe $55.05, 500 pieces 8 in. $55.05, 5,000 pieces 6 in. $55.05, 5,000 pieces 4 in. $59.05, total $119,610. Total weight of pipe as follows: 318.75 tons Class C 10 in., 156.25 tons 8 in., 1,075 tons 6 in., 700 tons 4 in. All prices f.o.b. Los Angeles.

CONTRACTS AWARDED

O., Cincinnati—For 4, 6, 8 and 10 in. c.i. pipe and special castings, to U. S. Cast Iron Pipe & Fdry. Co., Addyston, $55,000. Engrs. est. $50,000. Noted Jan. 24.

Mo., Ava—J. E. Curry, city clk., 500 ft. deep well and pumping equipment, to Sewell Well Co., 901 Howard St., St. Louis, $5,500; 75,000 gal. tank on 80 ft. tower, to Pittsburgh-Des Moines Steel Co., Tuttle and S. W. 10th St., Des Moines, Ia., $6,459. Contracts for distribution lines will be let in Feburary. Noted Jan. 10.

Sewers

PROPOSED WORK

Fla., Miami Beach—Feb. 19, to vote on $50,000 bonds (city's share) for sanitary sewers and $20,000 (city's share) for storm sewers. Van Allen Harris, city mgr.

O., Columbus—See "Streets and Roads."

Ill., Depue—Plans sanitary sewers in various streets. $90,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Wis., Barron—Making surveys and preliminary plans new sanitary sewerage system in various streets. $25,000. Jacobson Eng. Co., 1645 Hennepin Ave., Minneapolis, engrs.

Wis., Menomonee Falls—See "Waterworks."

Neb., Hastings—Plans sewage disposal plant. $25,000. P. T. Naylor, Hastings, engr.

Neb., Howells—Soon takes bids sanitary sewerage system. $25,000. Prince-Nixon Eng. Co., 501 Peters Trust Bldg., Omaha, engrs. Noted Sept. 20.

Mo., Lebanon—Making plans sanitary sewerage system. $100,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs.

Mo., Sullivan—Making plans sanitary sewers, to exceed $25,000. Election soon to vote on bonds. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs.

Okla., Apperson—Election Feb. 15, $45,000 bonds, 6 mi. sewers and disposal plant. R. Flood, Drumright, engr.

Okla., Pittsburgh—City voted $26,000 bond issue for sewers and septic tank. 15,000 ft. 8- to 10-in. vitr. clay pipe. Gant-Baker Co., 1st Natl. Bank Bldg., Oklahoma City, engrs.

Calif., Carmel—Having plans prepared sewers Dist. 1, from San Carlos to sea and from Santa Lucia to Ocean Ave. $100,000. H. D. Severance, Pacific Grove, engr. Noted Oct. 4.

Calif., Los Angeles—Having plans prepared rein.-con. storm drain, Figueroa St. between Santa Barbara Ave. and Manchestetr, also in portions Manchester, Moneta Aves., etc., rectangular cross section 5 ft. 3 in. to 9 in. wide x 5 ft. 3 in. high, also 30- to 66-in. rein.-con. pipe. W. L. Knowlton, city sewer engr.

Calif., San Jose—Having plans prepared for sewerage system. $450,000. C. D. Marx, Stanford University, Palo Alto, engr. Noted Nov. 8.

Calif., Santa Barbara—To vote $150,000 bonds for sewerage system. G. D. Morrison, city mgr.

Ont., Lindsay—Having plans prepared concrete sewage disposal plant, probably settling basins and sedimentation tanks. $25,000. O. Smith, city engr.

Ont., North Bay—Plans being prepared new concrete septic tank. $25,000. W. Mackie, Town Hall, engr.

BIDS DESIRED

N. Y., Long Island City—Feb. 11, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 85th Rd., Way Ave., 115th and Palmetto Sts., etc.

N. Y., Stamford—Feb. 28, by R. S. Welch, village pres. 2,816 ft. 15 and 18 in. sewer line, 120 ft. c.i. pipe, disposal tank, sludge bed, 350 ft. 15 in. pipe, etc. $50,000, also 880 ft. 8 in. sewer in Beaver and Prospect Sts., $10,000. E. W. Moxley, Ravena, engr.

D. C., Wash.—Feb. 29, by Dist. Comrs., Room 509 District Bldg., 3,280 ft. sewers; adv. E. N.-R. Feb. 7.

Ala., Mobile—Feb. 27, City Comrs., asphaltic and concrete paving, curbing, storm sewers, etc. W. Smith, city engr.; adv. E. N.-R. Feb. 7.

O., Akron—See "Streets and Roads."

O., Lima—Feb. 23, at office of C. A. Bingham, city mgr., intercepting sewer. Contr. B. B. F. Darling, superv. engr.; adv. E. N.-R. Feb. 7.

Minn., Winona—Feb. 11, sewage pumps, etc., 1 vertical single stage centrifugal pump with 750 gal. normal capacity, 2 vertical single stage centrifugal sewage pumps, 1,200 gal. each normal capacity, three weatherproof float switches for chain operation, three 3-phase 60 cycle alternating current 220 volt vertical slip rmg motors for direct connection to pump shafts. E. E. Chadwick, city engr.

Wisconsin—Feb. 16, by Metropolitan Sewerage Comn., Milwaukee, 7,855 ft. 36 in. concrete sewer in Cudahy and 557 ft. 30 in. concrete sewer in White Fish Bay.

Wis., Milwaukee—Feb. 15, by Sewerage Comn., 2,410 ft. 30 in. concrete sewer and 952 ft. 24 in. terra cotta pipe in Commerce Ave.

Kan., Arkansas City—Feb. 5, by M. N. Sinnott, city clk., 6,015 ft. 8 in. vitr. pipe sewers, manholes, flush tanks, etc., Dists. 4 and 5; 3 mi. main and lateral sewers, manholes, flush tanks, etc. Dist. 7. D. A. Lawhe, City Hall, engr. Noted Nov. 1.

BIDS RECEIVED

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Jan. 30, sewers in Melville St., from M. Del Balso, 660 East 221st St., $48,151; Sedgwick Ave., from F. Gabriel, $23,365. Noted Jan. 24.

Md., Baltimore—Mayor and City Council, City Hall, vitr. sewer pipe for Highways Dept., from Baltimore Clay Products Co., 2113 West Lafayette Ave., $28,122. Noted Jan. 24.

Mo., St. Louis—See "Excavation, Drainage, Irrigation."

Tex., Houston—Storm sewers in Southmore Addition, 36- to 96-in. monolithic concrete and 12- to 24-in. concrete pipe, from City of Houston, $175,181. Engrs. est. $175,000. Noted Jan. 3.

Calif., La Jolla—See "Streets and Roads."

Calif., Long Beach—Santa Fe Storm Drain, portions Bennett, 7th, 6th Sts., est. incl. 12,495 lin.ft. 10- to 14-in. cement concrete pipe, 4,765 ft. 30- to 42-in. rein.-con. pipe, etc., from G. W. Kemper, Alhambra, $83,000.

CONTRACTS AWARDED

Ala., Tuscaloosa—City 14 blocks drainage sewers in Greensboro Ave. and 9th St., to Sullivan, Strong & Haggerty, Bessemer, $25,100.

La., Baton Rouge—Common Council, storm drains in Goose Hollow Canal, to R. J. Estep, Gravel Deere Bldg., Dallas, Tex., $63,524; St. Phillip St. Canal and Roseland Terrace Canal to C. B. Stewart, Baton Rouge, $41,064 and $14,200 respectively. Noted Jan. 3.

Ark., Ft. Smith—Sewers in Sewer Dist. 4, incl., 37,710 ft. 6- to 18-in. vitr. pipe, 1,000 cu.yd. rock excav., etc., to Benson & Farrar, 120 South 2nd St., Guthrie, Okla., $36,438. Noted Jan. 10.

Mich., Detroit—To Detroit Drainage Constr. Co., 400 Penobscot Bldg., 5,652 ft. sewer in Lateral 3981, $20,268, 865 ft. in Lateral 4073, $2,280, 890 ft. in Lateral 4074, $2,277, 1,558 ft. in Sewer Arm 4071, $19,156; to Michigan Constr. Co., Detroit, Sewer Arm 4076 in Saxon and Western Aves., $6,995. Noted Jan. 24.

Waste Disposal

PROPOSED WORK

Md., Baltimore—Mayor and City Council plan 2 salvaging plants instead of 5 incinerating plants previously planned. S. Purcell, ch. engr. Noted Jan. 10.

Bridges

PROPOSED WORK

Vermont—See "Streets and Roads."

N. Y., Central Bridge — Schoharie Co. (Schoharie) having plans prepared new iron bridge over Schoharie River, near here. $90,000. Present wooden bridge condemned. C. H. Wright, Middleburg, co. highway supt.

Fla., Jacksonville—Florida East Coast Ry., H. N. Rodenbaugh, genl. mgr., St. Augustine, soon receives bids 4,000 tons steel for superstructure of St. Johns River bridge, here, 216 ft. bascule span, three 216 ft. truss spans and plate girder approach spans. W. G. Brown, engr. Noted Sept. 13.

Fla., Miami Beach—Feb. 19 to vote on $32,000 bonds for concrete bridge over and bulkhead along Collins Canal on Meridian Ave.

Tenn., Lewisburg—Marshall Co. plans bridge over Duck River. $25,000.

Ill., Fulton—States of Illinois and Iowa also Federal Government plan replacing old toll bridge by constructing steel and rein.-con. bridge, over Mississippi River, here. $1,000,000.

Kan., Kansas City—Preparing plans steel and rein.-con. viaduct. Will probably take bids in April. $360,000. R. L. McAlphine, 1721 Orville Ave., engr.

Tex., Floresville — See "Streets and Roads."

Tex., Houston—Harris Co. having plans prepared bridges and culverts on East Montgomery Rd. incl. Spring Creek Bridge, concrete and steel, $40,000; concrete bridges on Crosby Rd., incl. San Jacinto River Bridge, $115,000. Howe & Wise, co. engrs.

Washington—Pacific Northwest Traction Co., Elk and Holly Sts., Bellingham, plans to expend $450,000 in Whatcom and Skagit Counties during 1924. Plans include steel bridge to replace wooden structure at Highbridge, (Bellingham, P. O.) $60,000, and rebuilding or filling in interurban trestle at Clayton Bay (Samish, P. O.), $160,000.

Wash., Tacoma—Pierce Co. and Northern Pacific R.R., 7th and Pacific Sts., plan overhead crossing on 6th Ave. leading into Day Island. $27,000. C. H. Votaw, co. engr., will draw plans.

Calif., Long Beach—Having preliminary plans prepared bridge, 1 mi. long, 40 ft. wide, over Long Beach harbor entrance channel, continuance of West Ocean Blvd. $2,000,000 or more. R. D. Van Alstine, city engr.

Ont., Brockville — Leeds and Glengarry Counties plan 10 concrete and steel bridges. $150,000. E. R. Blackwell, County Bldg., Brockville, engr.

Ont., Fergus—Takes bids about Mar. 15, constructing 114 ft. steel or cement bridge, St. David St. $35,000. A. W. Connor, 34 Victoria St., Toronto, engr.

BIDS DESIRED

Ga., Columbus—Feb. 13, by Muscogee Co., rein.-con. bridge over Apatoi Creek on Buena Vista Rd., 700 yd. concrete, 40 tons reinforcing bars. $30,000.

Alabama—Feb. 25, by State Hy. Dept., Montgomery, substructure of bridge over Shoal Creek, about 5 mi. from Florence, on Florence and Athens Highway, consisting of 4 piers, 3 of which are 75 ft. and one 60 ft. high, with 2 end bents, involving 1557 cu.yd. concrete, 35,250 lb. reinforcing, W. S. Keller, state highway engr.

Illinois—Feb. 15, at office of Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, one 100-ft. and one 45-ft. rein.-con. spans, Route 3, Sect. 26-B, Mercer Co., and one 100-ft. steel span, Route 3, Sect. 26-C, Mercer Co.; one 50-ft. and one 60-ft. rein.-con. span, Route 8, Sect. 21-D, Iroquois Co.; three 50-ft. and one 40-ft. rein.-con., Route 23, Sect. 4-B, LaSalle Co. C. Older, ch. highway engr.

Minn., Austin—Feb. 27, by C. M. Hubbard, aud. Mower Co., bridge over Cedar River, two 75-ft. concrete arch spans. $50,000. State Highway Dept., 1246 University Ave., St. Paul, engrs. Noted Jan. 10.

Minn., Blakeley—Feb. 19, by F. Hoppenstedt, aud. Sibley Co. (Gaylord), bridge over Minnesota River, three 140-ft. steel truss spans, concrete abutments, here, for Scott Co. (Shakopee) and Sibley Co. (Gaylord). $40,000. State Highway Dept., 1246 University Ave., St. Paul, engrs. Noted Feb. 22.

Ark., Walnut Ridge—See "Excavation, Drainage, Irrigation."

Tex., Houston—Feb. 28, by City Com., 80 ft. concrete deck girder bridge 50 ft. clearance, 70 ft wide, over Buffalo Bayou on Smith St. $80,000. J. C. McVea, city engr. Noted Dec. 20.

Tex., Rio Grande City—See "Streets and Roads."

Tex., Richmond—Feb. 15, by C. D. Myers, judge Ft. Bend Co., 1,504 ft. cantilever and truss span, concrete girders across Brazos River on State Highway 3, two 85 ft. concrete piers on pile foots with concrete seal course, steel cantilever design with main truss span of 264 ft., two 132 ft. arms, paved approach one end, fifteen 31 ft. concrete girder approaches other end. $260,000. C. H. Kendall, co. engr.

Okla., Tahlequah—Feb. 20, by Clerk Cherokee Co., 100 ft. steel truss; concrete piers, 125 cu.yd. concrete, over Barron Foch River. $25,000. T. P. Clonts, 2110 Garland St., Muskogee, engr.

BIDS RECEIVED

O., Cambridge—Dept. Highways and Pub. Wks., Columbus, Feb. 1, 500 ft. rein.-con. bridge over Wills Creek and tracks of Baltimore & Ohio R.R. and Pennsylvania R.R., on Dewey Ave., here, from Taylor & Linn, Zanesville, billet steel $160,560; Waters & Freemas, Columbus, rerolled steel $172,344. Noted Jan. 17.

Missouri—State Hy. Dept., Jefferson City, Jan. 29, bridges over tracks of Chicago & Alton R.R., Jackson Co., from Carrothers Co., 310 Walsix Bldg., Kansas City, $8,612; over overflow of Grand River, Livingston Co., from A. P. Munsen, Marion, Ia., $27,351; over Grand River, Livingston Co., from List & Weatherly Constr. Co., 416 Ry. Exch. Bldg., Kansas City, $68,331; over Eleven Points River, Oregon Co., from Missouri Bridge & Iron Co., 1000 Fullerton Bldg., St. Louis, $17,681; over Middle Fork River, Oregon Co., from Campbell Bros., 603 Kemper Bldg., Kansas City, $14,133; over Current River on Sta. 1634 plus 44, Shannon Co., from M. E. Gillioz, Monett, $62,964; over Current River, on Sta. 634 plus 65, Shannon Co., from Koss Constr. Co., 2818 5th St., Des Moines, Ia., $85,922. Noted Jan. 24.

CONTRACTS AWARDED

N. Y., Fort Edward—Delaware & Hudson R.R., foot of State St., Albany, raising 1 span I-beam bridge here, to Amer. Bridge Co., 30 Church St., New York City, $33,000.

La., New Orleans—Bd. Port Comrs., Suite 200, New Court Bldg., furnishing, delivering and erecting approach span and machinery house, incl. 213 tons steel, for Canal St. Ferry, to Virginia Bridge & Iron Co., Whitney Bldg., $43,208, furnishing machinery to Fawcus Machine Co., 2818 Smallman St., Pittsburgh, $9,542. **This corrects report in Jan. 24 issue.** Noted Jan. 24.

Ia., Muscatine—Bd. Supervs. Muscatine Co., 1 pony and 1 high truss, to H. Luedtke, Muscatine, $17,590; 29 culverts to M. McKenzie, Muscatine, $9,887, 6 culverts to S. R. Johnson, Tipton, $2,445.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, rein.-con. bridge to carry Gravois Ave. over River Des Peres, to H. A. Henske, 1504 St. Louis, Ave., $104,756. Noted Jan. 31.

Tex., Halletsville—Lavaca Co., concrete bridges on State Highway 3-B, to L. E. Sanders, Alamo Natl. Bank Bldg., San Antonio, $124,965. Noted Jan. 31.

Okla., El Reno—State Hy. Dept., Oklahoma City, four 120 ft. steel spans on concrete piers and abutments, over North Fork Canadian River, here, Federal Aid Project 113, Canadian Co., to Kansas City Bridge Co., 510 Orear Leslie Bldg., Kansas City, Mo., $75,833. Noted Dec. 27.

Wash., Newport—W. Geary, toll bridge across Pend O'Reille River, 1,325 ft. long, 200 ft. over river to be of steel, 20 ft. asphalt roadway, 4 ft. walk, to P. Young, Priest River, Idaho. Engrs. est. $70,000.

Ore., Seaside—Clatson Co. (Astoria) rein.-con. bridge three 50 ft. spans, 50 ft. wide, over Necanicum River, on Bway., here, to H. A. Webster, $30,800. This corrects report in Dec. 27 isue.

California—State Hy. Comn., Sacramento, bridge 240 ft. long, 21 ft. wide between curbs, three 50 ft. and two 30 ft. concrete girders, across San Lorenzo Creek near King City, to Rocca & Caletti, 920 Mission Rd., San Rafael, $26,415. Engrs. est. $30,825. Noted Jan. 24.

Dams

PROPOSED WORK

Calif., San Diego—See "Unclassified."

Calif., Moorpark—See Excavation, Drainage, Irrigation.

British Columbia—See "Unclassified."

BIDS DESIRED

West Indies—Jamaica, Kingston—Mar. 1, by Colonial Secretary, constructing Hermitage Dam of cyclopean masonry with contingent work in connection with Kingston and St. Andrews waterworks. Plans at office of Crown Agts. for Colonies, London, Eng.

Railways

PROPOSED WORK

Florida—See "Industrial Works" under Bowden (Phillips, P. O.).

Tennessee—Tennessee Power Co. (Chattanooga Street Ry.) Hamilton Natl. Bank Bldg., Chattanooga, will spend $160,000 for new road bed, rails, ties, 10 mi. trolley wire, etc.

Missouri—Missouri Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, plans extending line from Bagnell to Springfield, 125 mi. long, probably 75 lb. rails. E. A. Hadley, ch. engr.

Texas — Houston Electric Co., Capitol Ave., Houston, plans extensions, new trackage, paving, etc. $200,000.

Texas—See "Industrial Work" under Dallas.

Nevada—Western Pacific R.R. Co., Mills Bldg., San Francisco, having plans prepared reballasting 180 mi. railroad between Winnemucca and Wells (contractor will not be required to furnish new rails or materials). J. W. Williams, ch. engr.

Ontario — Michigan Central Ry., St. Thomas, having plans prepared laying 75 mi. steel, replacing 300,000 ties and reballasting with stone 30 mi. $1,250,000. W. J. Shaw, ch. engr.

Ontario—Toronto Transportation Comn., Ryrie Bldg., Toronto, having plans prepared laying double track street railway on Davenport Rd. from Bathurst St. to Dovercourt Rd. and on Weston Rd. from St. Clair to Northland Aves. in city of Toronto, total distance 2½ mi. $500,000. H. H. Couzens, ch. engr.

British Columbia — See "Contracts Awarded."

CONTRACTS AWARDED

Texas—Houston, Beaumont & Orange Interurban, Houston, 100 mi. electric interurban, to J. D. Davis Constr. Co., Peach Tree St., Atlanta, Ga.

British Columbia—British Columbia Electric Ry., 425 Carroll St., Vancouver, will repair present tracks by day labor, and soon takes bids various small extensions. $600,000. J. H. Newell, ch. engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

Tenn., Union City—North Fork D. D. sold $139,000 bonds for drainage work in Weakly and Obion Counties.

Calif., Elsinore—Ladera Irrigation Dist. plans to vote on bonds for 2 small reservoirs, pipe lines, etc., for 4,000 acre district. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, consult. engrs.

Calif., Moorpark—Moorpark—Conejo Irrigation Dist. c/o Olmsted & Gillelen, consult. engrs., 606 South Hill St., Los Angeles, had preliminary plans prepared 5 storage dams on Sespe Creek, 4 on Piru Creek, Ventura Co., total storage capacity 150,000 ac.ft.; 2 main power plant; connecting conduit and canal distributing system. $2,000,000 or more. Noted Jan. 3.

Calif., Sacramento—North Sacramento Land Co., 1019 8th St., having preliminary plans prepared reclamation project on 2,500 acres adjoining American River, incl. levees, drainage canals, etc.

BIDS DESIRED

Pa., Kingston — Feb. 25, by Young & Wintermute, engrs. for Kingston Boro., 404 Second Natl. Bank Bldg., Wilkes-Barre, and J. A. Boyle, engr. for Edwardsville Boro., 401 Bennett Bldg., Wilkes-Barre, dredging and cleaning bed of Toby's Creek; adv. E. N.-R. Feb. 7.

Fla., Bartow—Feb. 15, by C. V. Turner, city mgr., 4½ mi. canal. $35,000.

La., Shrewsbury—Canal—Feb. 12, by Bd. Comrs. 4th Jefferson Dist. of Jefferson Parish, 50 mi. canal, 8-12 ft. deep, 40-70

Excavation, Drainage, Irrigation (Continued)

ft. wide, 10 ft. high, 120 ft. base, in Sub Dist. 3, also pumping stations near Lake Pontchartrain, combined capacity 1 m.g. water per minute. Area to be drained, 30,000 acres. $1,500,000. A. T. Dusenbury, Room 407, Marine Bank Bldg., New Orleans, consult. engr.

BIDS RECEIVED

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 5,657 ft. partially lined channel, 40 ft. wide at bottom, 100 ft. at top, 20 ft. deep, closed sanitary sewer, 12- to 84-in. laterals of brick or 2 ring segmental block, etc., for Sect. A, River Des Peres, from Higgins-Wall-Dyer Co., International Life Bldg., $324,452. Noted Jan. 3.

Calif., Long Beach—City, dredging waterway between Recreation Park and Alamitos Bay, incl. 2,000,000 cu.yd., from United Dredging Co., Central Bldg., Los Angeles, $0.1683 yd.

CONTRACTS AWARDED

Tex., Angleton—San Bernard D. D. 9, 15 mi. ditch, to Howard Kenyon Dredging Co., 3603 McKinney Ave., Houston, $30,000. Noted Jan. 3.

Streets and Roads

PROPOSED WORK

Vermont — Dept. Highways, Montpelier, plans paving with bituminous macadam 8.25 mi. roads in Georgia and Guilford; 4.75 mi. concrete in Fairhaven, Berlin and South Burlington; gravel surfacing 10.65 mi. in Charleston, East Wallingford, Mount Holly, Sutton, Swanton-Sheldon and Marshfield-Cabot; Gassets grade separation, involving 0.3 mi. gravel surfacing and 300 ft. deck truss bridge; 160 ft. through truss bridge at North Pownal. T. W. Dix, ch. engr.

N. J., Princeton—Boro Council plans paving several streets, concrete or asphalt. $35,000. Engineer not selected.

Pa., Wellsboro—Boro Council having plans made paving 4,000 ft. Cranton Stand, Pearl and Charles Sts., brick on concrete. $30,000.

W. Va., Fairmont—Mannington and Lincoln Dists., Marion Co., election Mar. 4 to vote on $600,000 and $333,200 bonds respectively for roads. F. J. Wilfong, co. engr.

W. Va., Fairmont — Paw Paw Dist., Marion Co., plans election to vote on $324,000 bond issue for roads. F. T. Wilfong, Fairmont, engr.

W. Va., Wayne—Stonewall and Grant Dists., Wayne Co., election Feb. 9, to vote on $111,000 and $58,000 bonds respectively for roads. H. Adins, Clk.

Fla., Miami Beach—Feb. 19, to vote on $40,000 bonds for paving and surfacing. Van Allen Harris, city mgr.

Tenn., Woodbury—Cannon Co. voted $75,000 bond issue for 7 mi. highway from Woodbury to Warren Co.

O., Akron—W. F. Peters, dir. Pub. Serv., opens bids latter part of February, grading, laying sidewalks and cindering 3,395 ft. McKinley and Mildred Aves., $46,000; grading, laying sidewalks, sewers and cindering 430 cu.yd. Springdale St., $12,000; grading, laying sidewalks, sewers and paving 335 ft. Power St., 24 ft., vitr. brick or asphalt, $12,000; grading, laying sidewalks and paving 750 ft. Allyn St., 24 ft., vitr. brick or asphalt, $18,000; grading and paving 1,165 ft. South Arlington St., 44 ft., vitr. brick or asphalt, $34,000. E. A. Kemmler, Delaware Bldg., engr.

O., Canton—Takes bids in spring paving ½ mi. north side of Tuscarawas St., W., 20 ft., brick. $30,000. W. E. Sarver, City Hall, engr.

O., Cincinnati—Plans granite curbing and paving Vine St. and Central Ave., $91,841. F. Krug, City Hall, engr.

O., Cleveland—Cuyahoga Co. takes bids in spring paving about 3 mi. Kinsman Rd., brick, $278,600, Fitzwater Rd., brick or concrete, $114,000, Willow Rd., rein.-con., $493,200; grading about 5 mi. Wolf Rd., $47,900. F. Lander, Court House, engr.

O., Columbus—Making plans grading, laying necessary water services and sewer connections and paving with (1) brick (2) asphalt (3) concrete 1,054 ft. Atcheson St., 30 ft. (1) $27,953 (2) $23,265; 2,621 ft. alley north of Mithoff St., 18.42 ft. (1) $5,775 (3) $5,129; 719 ft. Concord Alley, 20 ft. (1) $8,513 (2) $6,547 (3) $5,969, 1,275 ft. Hanford St., 26 ft. (1) $30,109 (2) $23,870, 466 ft. alley north of Gates St., 16 ft. (1) $3,010 (3) $2,670; resurfacing, etc. 2,227 ft. Woodruff Ave., 12 ft. (2) $17,217. R. H. Simpson, city engr.

O., Dayton—Plans improving Pritz Ave., Kentucky rock asphalt on concrete $26,358, West 5th St., brick on concrete $75,795, and Superior Ave., wood block, brick or asphalt on concrete, $58,536. Work involves about 25,000 sq.yd. paving, 10,000 lin.ft. cement curb and gutter, 2,000 lin. ft. cement sidewalk. J. F. Hale, city engr.

O., Defiance—Defiance Co. plans 2 mi. road north from Jewell, 20 ft. concrete tar top or bituminous macadam. $50,000. H. L. Toberen, Defiance, engr.

O., Lisbon—Columbiana Co. plans replacing 10 ft. brick highway with 18 ft. concrete on 1 mi. Lisbon-East Liverpool Highway, south of here. $30,000-$35,000. L. C. Kirk, Court House, engr.

Ill., Algonquin — Plans paving various streets. $30,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Ill., DeKalb — Plans concrete paving West Lincoln and Normal Rd. $70,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Wis., Waukesha—Plans rein.-con. paving 30,000 sq.yd. Bethesda and Buchners Courts, West Park, Franklin, Hamilton, Hartwell, Racine, Central, Prospect and Dunbar Aves. $75,000. City will probably pave 7,000 sq.yd. Bway., with concrete, by day labor. A. P. Kuranz, City Hall, engr.

Wis., Whitefish Bay (Milwaukee P. O.)—Having preliminary plans prepared paving 37,000 sq.yd. various streets during 1924. T. F. Buckley, c/o Village Hall, engr.

Ia., Moulton—Having preliminary plans made paving 25 blocks. Hemington Eng. Co., Natl. Bldg., Omaha, Neb., engrs.

Ia., Perry—Plans paving 25 blocks Dists. 1 to 7, with concrete, vibrolithic concrete, vitr., brick, asphaltic, concrete, sheet asphalt, bitulithic or asphaltic concrete, Willite process, also resurfacing streets with sheet asphalt or asbestophalt. $100,000. R. C. Lutze, city engr.

Missouri—State Hy. Dept., Jefferson City, plans grading, etc. 83.5 mi. roads in Barton, Oregon, Osage, Camden, Grundy, Putnam, Atchison, Sullivan, Mercer, Schuyler, Lincoln, Marion, Monroe, Benton, Crawford, St. Charles and Warren Counties. B. H. Piepmeier, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans grading 4 mi. State Project Route 1, 30 ft., Newton Co. B. H. Piepmeier, state highway engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, had preliminary plans prepared and takes bids in spring grading 3,085 cu.yd. Devlin Ave. $4,200; grading, concrete curbing and paving 2,615 sq.yd. Magnolia Ave., Kentucky rock asphalt, $13,000, 6,350 sq.yd. Margaretta and Plateau Sts., warrenite, $35,350, 2,370 sq.yd. Oleathe St., rein-con., $12,250, 2,900 sq.yd. Sulpher Ave., asphalt, $19,250. W. W. Horner, City Hall, engr.

Neb., Chadron—Soon takes bids paving 19 blocks. $500,000. Fulton & Letton, Bankers Life Bldg., Lincoln, engrs.

Neb., Nebraska City—Plans to grade and pave 35 blocks, brick, rein.-con. or asphaltic concrete. $100,000 or more.

Neb., Omaha—Douglas Co. having preliminary plans prepared paving 4½ mi. Project 48, 4½ mi. Project 52 and 4 mi. Rd. 52, concrete or brick. L. E. Adams, co. engr.

Wyo., Casper—Making plans and takes bids in March, concrete sidewalks, 5 ft. wide, 4 in. thick, 4 in. gravel cushion. $100,000. E. W. Fassett, city engr.

Ark., Pine Bluff—Having preliminary plans prepared grading and gravel surfacing 36 mi. in Rob Roy Bayou Meto Rd. Dist., 18 ft. $350,000. Parkes Eng. Co., Citizens Bank Bldg., engrs.

Ark., Walnut Ridge—Having preliminary plans prepared grading and graveling 56,899 sq.yd. various streets in Street Impvt. Dist. 2, $48,749; grading, draining and paving 9,760 sq.yd. Street Impvt. Dist. 2, 2 in. asphaltic concrete on 6 in. concrete, $48,044.

Tex., Albany—Shackleford Co. election Mar. 1, to vote on $500,000 bonds state and county roads. P. K. Clark, co. engr.

Tex., Batesville—Zavalla Co. election Feb. 23, $165,000 bonds grading and bituminous macadam surfacing roads in Precinct 4. N. P. Hunt, co. judge. Noted Dec. 27.

Tex., Childress—Childress Co. election Mar. 11, $760,000 bonds, grading and gravel surfacing Highway 4, bituminous macadam surfacing State Highway 5. J. H. Callaway, co. judge.

Tex., Coleman—Plans permanent paving 10 blocks, probably rock asphalt. $30,000.

Tex., Colorado—Having plans prepared paving 9 blocks Main, Elm, Oak and 2nd Sts., bitulithic on concrete, with white way extensions. $40,000. F. F. Du Bose, city engr.

Tex., Dallas—Making plans paving 10 blocks Terry St., 30 ft., probably Uvalde rock asphalt on concrete. $25,000-$30,000. E. A. Kingsley, city engr.

Tex., Dallas—Having plans prepared repaving Greenville Ave. from Ross to city limits, bituminous types. $50,000. E. A. Kingsley, city engr.

Tex., Floresville—Wilson Co. making plans grading, gravel base, 1 in. rock asphalt topping and bridging 15 mi. State Highway 9, 18 ft. $299,500. F. E. Hess, Medical Arts Bldg., Dallas, engr.

Tex., Ft. Worth—Making plans bituminous paving Vickery Blvd. in Highland Addition. $30,000. D. L. Lewis, city engr.

Tex., Ft. Worth—Logan Bros., 2231 Harrison St., making plans paving, walks, etc., in Logan Addition, 150 acres. $25,000. Baker & Von Zuben, Ellison Bldg., engrs.

Tex., Hereford—Voted $50,000 bonds paving various streets. Noted Jan. 11.

Tex., Houston—See "Railways."

Tex., Italy—Ellis Co. election Feb. 19, $80,000 bonds, grading and paving main business streets. Elrod Eng. Co., 3124 Main St., Dallas, engrs.

Tex., Jourdanton—Atascosa Co. election Mar. 1, $933,000 bonds highway improvements. H. H. Martin, Pleasonton, comr.

Tex., Kaufman — Kaufman Co. voted $25,000 bonds and making plans grading Greenville Ennis Rd., Scurry Rosser Road Dist., State Highway 34. C. A. Anderson, co. engr.

Tex., New Boston—Bowie Co. making plans grading and concrete surfacing 2.8 mi. New Boston-Texarkana Rd., 9 ft. $50,000. F. E. Hess, Medical Arts Bldg., Dallas, engr.

Okla., Enid—Plans grading and paving West Main St., 5,750 sq.yd. asphalt, 350 lin.ft. curbing, etc. $28,000. F. C. Magruder, Enid, engr.

Okla., McAlester—Plans grading and paving 5 blocks South 10th St., 5,200 sq.yd. concrete, 3,100 lin.ft. curbing, etc. $25,000. G. Brown, McAllister, engr.

Okla., Muskogee—Muskogee Co. preparing plans grading and graveling 10 mi. highway from Warner to Webber Falls, 100,000 sq.yd. gravel, 65,000 cu.yd. excav. $150,000. W. C. Burnham, Capitol Bldg., Oklahoma City, engr.

Okla., Oklahoma City—Plans grading and paving 7 blocks Klein, Pearl, Central and 29th Sts., 6,200 sq.yd. asphalt, 4,000 lin.ft. curbing, 2,500 cu.yd. excav., $36,000; 7 blocks Bway., B and Western Sts., 6,100 sq.yd. asphalt, 4,150 lin.ft. curbing, 2,200 cu.yd. excav., $37,500. B. M. Hart, City Hall, engr.

Okla., Pawhuska—Plans grading and paving West Main St., 5,100 sq.yd. concrete, 1,800 lin.ft. curbing, 1,800 cu.yd. excav. $25,000. J. M. Buckley, Pawhuska, engr.

Wash., Centralia—Lewis Co. making plans and takes bids about Feb. 28, concrete paving 1 mi. Centralia-Bucoda Rd. from Centralia to Thurston Co. line. $35,000. R. Greene, Centralia, engr.

Calif., Anaheim—Plans paving 5 mi. various streets during 1924.

Calif., Los Angeles — Los Angeles Co. had plans prepared improving Cedar St., etc., known as Co. Rd. Impvt. 58, 8,689 cu.yd. excav., 23,190 sq.ft. gutters, 30,779 sq.yd. of 1½ in. national pavement, 30,779 sq.yd. of 3½ in. asphaltic concrete base; Crescent St., Co. Rd. Impvt. 63, 5,323 cu.yd. excav., 7,656 sq.yd. 6- to 8-in. concrete pavement, 523 sq.yd. oil and screenings surface.

Calif., Mayfield—Plans election to vote on bonds (will exceed $25,000) for paving streets.

Calif., Monterey—Plans paving streets in district bounded by Hawthorne and Pine Sts., the Presidio and Pacific Grove city limits. $80,000. H. D. Severance, city engr.

Calif., Oakland—Had plans prepared improving Alice St., 63,730 sq.ft. grading, 61,496 sq.ft. 6 in. Portland cement concrete base with 2 in. Warrenite surface. W. W. Harmon, city engr.

Calif., Oakland—Had plans prepared improving Golf Links Rd., 27,561 sq.yd. excav., etc. $25,000. W. W. Harmon, city engr.

Calif., San Diego — Common Council plans improving 22nd St., incl. 212,811 sq. ft. 1½ in. asphaltic concrete on 2½ in. bituminous, etc.

Calif., Santa Ana—Orange Co. plans paving 17th St. west from Santa Ana city limits to Westminister, $150,000 or more. J. L. McBride, co. road comr.

Ont., Brockville—Leeds and Glengarry Counties having plans prepared roadwork

Streets and Roads (Continued)

for 1924, clay, gravel, macadam and concrete. $150,000. E. R. Blackwell, County Bldg., Brockville, engr.

Ont., Burlington—Having plans prepared cement paving James St. $35,000. MacKay & MacKay, Bank of Hamilton Bldg., Hamilton, engrs.

Ont., Kingston—Plans 18,000 sq.yd. asphalt on concrete and 3½ mi. concrete curbing and guttering. $75,000. H. E. Dick, city engr.

Ont., London — Middlesex Co. Council having plans prepared 2 mi. concrete pavement on Sarnia Rd. west of here. $210,000. Prices wanted on materials. C. Talbot, County Bldg., engr.

B. C., Burnaby—Voted $30,000 bonds 3 mi. macadam surface on Sperling Ave. and other streets. E. Smith, Municipal Hall, engr.

BIDS DESIRED

New Hampshire—Feb. 15, by State Hy. Dept., Concord, rein.-con. paving 2.415 mi. (2 sections) road in Derry, $85,000; 0.994 mi. (2 sections) road in Peterboro, $30,000. F. E. Everett, state highway comn.

N. Y., Long Island City—Feb. 11, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks on Ambrose, Edson, 80th and 85th Sts.; grading, curbing, laying sidewalks and sheet asphalt paving Chaffee St., etc.; grading, and sheet asphalt paving, etc., 39th St. and Bryce Rd.; permanent paving 50th St.

N. Y., New York—Feb. 14, by Park Bd., Municipal Bldg., repaving with asphalt mastic where directed the walks in Central Park adjacent to new music stand in the mall; grading, curbing, etc., new roadway entrance to Central Park at 6th Ave. and 59th St., both Manhattan Boro.; completing roads and paths, etc., in connection with construction of Rice Memorial in Pelham Bay Park, Bronx Boro. F. D. Gallatin, pres.

N. Y., New York—Feb. 15, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, regrading, curbing, recurbing, flagging, reflagging, paving, etc., unpaved portion of roadway on Riverside Dr. from point about 900 ft. north of West 165th St. to intersection of Dyckman St. and Bway., sheet asphalt on concrete.

N. Y., New York—Feb. 11, by J. Miller, pres. Manhattan Boro, Municipal Bldg., curbing, recurbing, flagging, reflagging and paving West 176th St., sheet asphalt on concrete.

N. J., Morristown—Feb. 19, by Morris Co., rein.-con. paving 47,480 sq.yd. Long Valley-Hunterton Co. Line Rd., Washington Twp. W. Hopkins, Morristown, engr.; adv. E. N.-R. Feb. 7.

Md., Baltimore—Feb. 13, by Bd. Awards, grading Contr. 249-OA, Gwynns Falls Parkway from Liberty Heights Ave. to 1,100 ft. south, 40,000 cu.yd. grading. $40,000. R. K. Compton, 214 East Lexington St., chn. and engr. paving comn.

Alabama—Feb. 25, by State Hy. Dept., Montgomery, improving 1.856 mi. Tuscaloosa-Birmingham Highway, 24,787 cu.yd. common excav., 43,116 sta. yd. overhaul on excav., 8,483 sq.yd. 6-in. and 7,997 sq.yd. 7-in. concrete paving, etc. W. S. Keller, state highway engr. Noted Nov. 15.

Ala., Mobile—See "Sewers."

W. Va., Bluefield—Feb. 26, by C. E. Ridley, city mgr., Project 1 grading, curbing, etc. 36,000 sq.yd.; Project 2, grading, curbing, and 1 course concrete paving 24,000 sq.yd.; Project 3, removing old pavements, constructing concrete foundation work, etc. 38,000 sq.yd.; Project 4, surfacing and paving Projects 1 and 3; adv. E. N.-R. Feb. 7.

O., Akron—Feb. 13, by W. F. Peters, dir. Pub. Serv., grading, laying sidewalks and cindering 3,270 ft. Bye St., Collinwood and Atwood Aves., $21,000; grading, laying sidewalks and paving 2,905 ft. Chalker and Elma Sts., 24 ft., vitr. brick or asphalt, $52,000, 2,670 ft. Emerling Ave., 26 ft., vitr. brick or asphalt, $54,000, 350 ft. Garden alley, 20 ft., vitr. brick or concrete, $5,000; grading, laying sidewalks, sewers and paving 3,560 ft. Wildwood Ave., 26 ft., vitr. brick or asphalt, $80,000; laying sidewalks and paving 700 ft. Wellesley Ave., 24 ft., vitr. brick or asphalt, $12,000. E. A. Kemmler, Delaware Bldg., engr.

Illinois—Feb. 15, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 151.5 mi. road, grading one section and building 7 bridges. C. H. Older, ch. highway engr.

Wis., Antigo—Mar. 11, by City, c/o G. O. Palmiter, clk., paving 50,000 sq.yd. various streets, sheet asphalt, bitulithic and 2 course rein.-con. $25,000. J. Donohue Co., 606 North 8th St., Sheboygan, engr.

Wis., Waukesha—Waukesha Co. taking bids concrete surfacing, etc., 2 mi. Waukesha-Prospect Rd., 16 ft. Wisconsin Hy. Comn., Stephenson, Bldg., Milwaukee, engrs.

Ia., Atlantic—Feb. 17, by City Clerk, 17,148 sq.yd. cement or vibrolithic concrete, 10,309 lin.ft. curbing and guttering. $55,000. Noted Nov. 1.

Tex., Ballinger—Feb. 12, by P. Trimmier, judge Runnels Co., grading, etc., 9.36 mi. State Highway 30, Hatchell Rd., 18 ft. $62,500. J. E. Pirie, co. engr. Noted Dec. 20.

Tex., Beaumont—Mar. 4, by B. B. Johnson, judge Jefferson Co., grading and rein.-con. surfacing 7.35 mi. State Highway 40, Voth Rd., (Bates Sect.), 16 ft. $250,000. A. C. Love, co. engr.

Tex., Daingerfield — Feb. 25, by J. W. Cason, judge Morris Co., grading and gravel surfacing 5.08 mi. State Highway 35, Federal Aid Project 362, 12 ft. McClendon & Purnell, Daingerfield, engrs. Noted Dec. 20.

Tex., Dallas—Taking bids and will probably open same latter part of month paving Oak Cliff Blvd. in Sunset Addition, bituminous type. $25,000-$30,000. E. A. Kingsley, city engr.

Tex., Denison — Taking bids and opens same about Feb. 15, resurfacing 14 blocks Gandy St., bituminous on present concrete. $25,000. D. C. Lispcomb, city engr.

Tex., Greenville—Feb. 26, by Comrs. Hunt Co., 7,000 sq.yd. concrete and 15 mi. gravel paving on Quinlan Rd., $60,000; 12 mi. stone base on Wolf City Rd., $30,000. G. R. Burtner, co. engr.

Tex., Houston—Feb. 18, by H. L. Washburn, aud. Harris Co., graveling Harbor Blvd., incl. 16,800 cu.yd. shell. $50,000. Howe & Wise, co. engrs.

Tex., Pecos—Reeves Co. taking bids graveling 13.25 mi. State Highway 1, 18 ft. $110,000. S. S. Fosey, Box 565, co. engr.

Tex., Rio Grande City—Feb. 27, by H. Garza, Jr., judge Starr Co. grading and gravel surfacing 13.19 mi. State Highway 12, Federal Aid Project 337-B, 12 ft., $109,312; 17.58 mi. State Highway 12, Federal Aid Project 337-A, 16 ft., $197,879. P. S. Devine, co. engr. Noted Oct. 11.

Okla., Norman—Feb. 12, by J. Hair, city clk., grading and paving 6 blocks Jenkins, Monett, Elm, Trout and Symner Sts., 6,200 sq.yd. concrete, 3,750 lin.ft. curbing, 2,000 cu.yd. excav. $31,000. F. Cobb Norman, engr. Noted Dec. 6.

Okla., Oklahoma City—Feb. 11, by State Hy. Dept., paving sidewalks around State Capital Bldg., 16,000 lin.ft. expansion joints, 250 lin.ft. concrete curbing, 70,000 sq.ft. concrete sidewalk, 500 cu.yd. excav. $25,000. W. C. Burnham, Capitol Bldg., engr.

Okla., Oklahoma City—Feb. 12, by M. Peshek, city clk., improving 26 blocks 15th, 19th, Robinson, Oklahoma, Madison and Western Sts., 6,600 sq.yd. asphalt, 1,600 sq.yd. concrete, 1,800 lin.ft. curbing, 2,600 cu.yd. excav. $28,000. B. M. Hart, City Hall, engr. Noted Jan. 31.

Okla., Oklahoma City—Feb. 15, by Clerk Oklahoma Co., grading and paving 7 mi. Eastern, 23rd, Edsmond and G Sts., 71,000 sq.yd. concrete, 51,000 cu.yd. earth and 7,800 cu.yd. rock excav. R. S. James, Court House, engr.

Washington—Mar. 18, by State Hy. Comn., Olympia, grading and gravel surfacing 3 mi. Olympic Highway, Clallam Co.; 3 mi. North Bank Highway, Skamania Co., 4 mi. Ocean Beach Highway, Lewis Co.; gravel surfacing 4 mi. Natl. Park Highway, Lewis Co.; concrete paving 3.5 mi. Pacific Highway, Skagit Co. J. Allen, state highway engr.

California—Feb. 18, by State Hy. Comn., Sacramento, grading and surfacing 11.9 mi. highway between 2¼ mi. east of San Hills and Colorado River, Imperial Co., crushed gravel or stone. R. M. Morton, state highway engr.

Calif., San Diego — Feb. 18, by A. H. Wright, city clk., improving San Marcos Ave., Maple St., etc., incl. 188,080 sq.ft. 1½ in. sheet asphalt on 4 in. Portland cement concrete base, 2,345 sq.ft. cement concrete sidewalk, etc. F. A. Rhodes, city engr. Noted Jan. 10.

Ont., Plantagenet—Feb. 9, by F. A. Senecal, road supt. Prescott Co., 3½ mi. waterbound macadam on Rd. 15, Caledonia Twp., 1½ mi. on Rd. 15, Plantagenet Twp., 2½ mi. on Rd. 25, Longueuil Twp., 2 mi. on Rd. 12, Russell Twp., and 600 cu.yd. gravel on Rd 22, South Plantagenet Twp. $27,000. Patterson & Byrnes, 71½ Sparks St., Ottawa, engrs.

BIDS RECEIVED

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Jan. 30, grading, curbing, laying sidewalks, etc., on La Salle Ave., from F. Hanratty, 605 Beach Terrace, $24,193. Noted Jan. 24.

N. J., East Orange—Town Council, Jan. 28, grading and paving 13,500 sq.yd. McKinley Ave., from Franklin Contg. Co., 20 Washington Pl., Newark, cement grouted granite block $104,581, bituminous mastic filled granite block $109,171; repaving, etc. Main St., 4,500 lin.ft. old curb, 1,200 lin.ft. new curb, 190 lin.ft. header curb and 400 lin.ft. radius curb all in concrete, 5,000 sq.yd. warrenite bitulithic, national or sheet asphalt on 6 in. concrete, etc., from Nesto Constr. Co., 635 Broad St., Newark, $50,423.

Miss., Winona—Montgomery Co., grading and gravel surfacing 12.025 mi. Federal Aid 19, 50,489 cu.yd. common and 27,533 cu.yd. borrow excav., 65,332 lb. reinforcing, 678.1 cu.yd. concrete, 28,213 cu.yd. gravel 1 mi. haul, 46,758 unit gravel ½ mi. overhaul, etc., also bridges over 20 ft. span, from McElwrath & Rogers, Grenada, $120,522. Contract not awarded due to insufficient funds. Noted Jan. 3.

O., Akron—W. F. Peters, dir. Pub. Serv. Jan. 28, improving roads with (a) asphalt (b) brick (1) grading, laying sidewalks and paving 2,575 ft. Collingwood Ave., 22 ft. (2) repaving 3,460 ft. West Market St., 44 ft. (3) paving 2,000 ft. Aqueduct St., 30 ft. (4) grading, laying cement sidewalks and cindering 5,590 ft. Duane Ave., et al., from McAlonan Bros., 197 West Buchtel Ave. (a1) $43,037 engrs. est. $47,831 (b1) $45,518, $48,743 (a2) $74,452, $82,929 (b2) $78,084, $85,727 (a3) $28,932, $33,400; M. Kalain, 573 Wilson St., (4) 26,799, $32,332. Noted Jan. 17.

O., Cincinnati—Hamilton Co., Feb. 1, paving 10,840 ft. Mullen Rd., 16 ft., from H. Westermann, R. R. 13, Mt. Healthy, $26,556. Engrs. est. $31,726. Noted Jan. 24.

Tex., Amarillo—Potter Co. grading and gravel surfacing 6.06 mi. State Highway 33, Federal Aid Project 421, 22,830 cu.yd. roadway, 20,436 cu.yd. borrow excav., 14,210 cu.yd. gravel, from Hoffman Constr. Co., Eastland, $66,996. Engrs. est. $76,536. Noted Jan. 10.

Tex., Brady—McCulloch Co., grading and surfacing 4.64 mi. State Highway 9, Federal Aid Project 419, 7,197 cu.yd. roadway, 9,090 cu.yd. borrow, 6,775 cu.yd. loose and 12,057 cu.yd. solid rock excav., 225 sq.yd. concrete, 19,937 lb. reinforcing, 12,306 cu. yd. gravel, from McCall Eng. Co., Amicable Bldg., Waco, $48,691. Engrs. est. $47,828. Noted Jan. 3.

Tex., Rock Springs—Edwards Co. surfacing with crushed rock on sledged stone 17.13 mi. State Highway 41, Federal Aid Project 335, 59,481 cu.yd. roadway, 36,880 cu.yd. borrow, 23,862 cu.yd. solid and 5,506 cu.yd. loose rock excav., 360 cu.yd. concrete, 13, 433 cu.yd. crushed rock, 20,142 cu.yd. sledged stone, from Ashburn Bros., Mineral Wells, $133,190. Engrs. est. $154,518. Noted Dec. 27.

Wash., Seattle—Bd. Pub. Wks., Jan. 25, filling 6th Ave. S., from J. B. Stilwell, 3220 9th St. S., 114,000 cu.yd. earth excav. $0.50 per cu.yd., 150 ft. 12-in. sewer $2.50, 250 ft. 15-in. sewer $3.50, total $62,370, engrs. est. $58,875; paving Angeline St. et al., from Olympic Constr. Co., 1326 Northlake Ave., 8,640 sq.yd. 6-in. concrete $1.80, 600 ft. asphaltic concrete curbing $0.70, 5,050 ft. concrete curbing $0.50, 350 sq.yd. concrete sidewalk $1.60, 2,150 sq.yd. earth excav. $0.75, total $34,209, engrs. est. $35,398.

Wash., Seattle—King Co., Jan. 21, grading and gravel surfacing 2.52 mi. Quartermaster-Dockton Rd., 18 ft., 24,500 yd. overhaul, 4,607 cu.yd. gravel, 64,378 cu.yd. earth excav., from Houge & Espeland, Auburn, $48,750.

California—State Hy. Comn., Sacramento, grading 15.08 mi. and concrete paving 9.87 mi., between south boundary and Camarillo Ventura Co., from C. W. Wimmer, Bakersfield, $344,341. Noted Jan. 10.

Calif., La Jolla—La Jolla Properties, Inc., 655 Spreckels Bldg., San Diego, improving streets, 33,275 cu.yd. excav., 58,690 ft. 2 in. bituminous pavement, 100,350 ft. sidewalks, 23,700 ft. curb, 1,500 ft. 6-in., 6,830 ft. 4-in. c.i. pipe, 14,000 ft. 6-in. sewer with disposal plant, from C. P. Day, Boston Bldg., Los Angeles, $111,950 Noted Jan. 10.

Calif., Newport Beach—Improving Ocean Blvd., etc., in Tract 518, incl. 19,010 cu.yd. sand excav., 91,707 sq.ft. 6 in. clay and gravel surfacing incl. grading, 152,080 sq.ft. 6 in. and 201,697 sq.ft. 8 in. concrete pavement, incl. grading 18,932 lin.ft. concrete curb, 94,341 sq.ft. concrete walks, etc., from California Constr. Co., 58 2nd St., San Francisco, $249,508. Noted Jan. 10.

Streets and Roads (Continued)

Calif., Redondo Beach—Paving El Redondo St., etc., 1½ in. Willite on 2½ in. asphalt concrete, curbs, gutters and walks, from H. Wigman, Hermosa Beach, $58,501.

CONTRACTS AWARDED

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block repaving Lexington Ave. and Nassau Lane, to J. Meehan & Son, 74 Cortlandt St., $45,976 and $11,860 respectively, 1st Ave., to Casper Helbock, Inc., Harlem River and 150th St., $39,526, 2nd Ave., to Burnside Contg. Co., 270 Burnside Ave., $72,323, Washington St., to P. J. Kearns Contg. Co., 2306 Creston Ave., $42,509; grading, regrading, curbing, recurbing, flagging, reflagging, etc. easterly portion of Riverside Dr., to M. Del Balso, 660 East 221st St., $27,666. Noted Jan. 31.

North Carolina—State Hy. Comn., Raleigh, grading and plain concrete paving 5.52 mi. State Project 344, between Fayetteville and Fort Bragg, to Alabama Concrete Products Co., Selma, Ala., $158,257.

Minn., Hibbing—Paving 25 streets in South Hibbing and Brooklyn, vitrolithic surface, to F. W. Coons Constr, Co., 4th Ave. at Howard St., $190,000.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 130,000 sq.yd. rein.-con. paving at Training School for Feeble Minded, to J. E. Perkinson, 3237 Carter Ave., $39,355. Noted Jan. 31.

Tex., Rock Springs—Edwards Co., gravel surfacing on crushed rock 17.13 mi. highway, to Ashburn Bros., Mineral Wells, $133,190. Noted Feb. 7.

Okla., Clinton—Grading and paving Frisco Ave., 10,000 sq.yd. asphalt, 4,700 lin.ft. curbing, 3,200 cu.yd. excav., to Western Paving Co., Tradesman Bldg., Oklahoma City, $44,318. Noted Sept. 6.

Okla., McAlester—Grading and paving 11 blocks Commanche, Seminole, Osage and 7th Sts., 9,730 sq.yd. concrete, 6,800 lin.ft. curbing, etc., to J. W. Rook, McAlester, $42,608. Noted Dec. 6.

Okla., Oklahoma City—Grading and paving 7 blocks Ave. D, Shantel and 7th Sts., 7,100 sq.yd. concrete, 4,100 lin.ft. curbing to M. A. Swatek & Co., Security Bldg., $40,762.

Arizona—State Hy. Comn., Phoenix, improving Geronimo-Solomonville Highway, Federal Aid Project 67, to El Paso Bitulithic Co., Piedras St. along tracks of Galveston, Harrisburg & San Antonio R.R., El Paso, Tex.

Washington—State Hy. Comn., Olympia, clearing 22.4 mi. Olympic Highway from Hoh River to north line of Wuinault Indian Reservation, Jefferson Co., to C. A. Strong, Perkins Bldg., Tacoma, $146,869; 10.1 mi. Olympic Highway from Lunch Creek westerly, Grays Harbor-Jefferson Co., to A. E. Knutzen, Lynden, $34,227. Jan. 10.

Washington—State Hy. Comn., Olympia, crushed rock surfacing 10 mi. Inland Empire Highway from Spangle northerly, Spokane Co., to Payne & Hewitt Co., Spokane, $21,736. Noted Jan. 10.

Wash., Montesano—Grays Harbor Co., removing old planking, widening grade and gravel surfacing North River Rd. beyond Vesta, to Peck & Einerson, Hoquiam, $26,962.

California—State Hy. Comn., Sacramento, grading 13.1 mi. and paving 11.6 mi. highway between Shoup Ave. and Westerly Boundary, Los Angeles Co., 52,000 cu.yd. unclassified excav., 21,080 cu.yd. Class A concrete pavement, 385 cu.yd. Class A concrete in structures, 37,970 sq.yd. reinforcing steel in pavement, etc., to G. H. Oswald, 366 East 58th St., Los Angeles, $388,786. Engrs. est. $415,424; grading 8.2 mi. and paving 3.5 mi. with Portland cement concrete, road between Huntington Beach and Corona Del Mar, to W. F. Beal, Brawley, $188,025. Engrs. est. $195,340. Noted Jan. 17 and 24 respectively.

Calif., Burbank—B. W. Marks, Junior Orpheum Bldg., Los Angeles, improving streets in Ben Mar Hills, incl. concrete and oil macadam pavement, curbs, gutters and walks, here, to G. A. Simpson, San Fernando Bldg., Los Angeles, $100,000.

Calif., Fresno—Grading, curbing, laying sidewalks and asphalt paving 88,562 sq.ft. Moroa and Vassar Aves., to California Road & Street Impvt. Co., Bank of Italy Bldg., $35,149. Noted Jan. 24.

Calif., Los Angeles—Improving Beverly Blvd. between Juanita and Vermont Aves., incl. 57,108 sq.ft. asphalt, 20,769 sq.ft. concrete, 960 sq.ft. oiling and rolling, etc., to Griffith Co., Railway Bldg., $32,900.

Calif., Los Angeles—Los Angeles Co., improving Las Flores Canyon and Hume Rds., Dist. 161, incl. 91,600 cu.yd. earth excav., shaping 21,418 lin.ft. roadbed, 38,075 sq.yd. oil and sand surface, etc., to Francisco & Ellington, Inc., 1232 West 5th St., $93,000. Noted Jan. 24.

Calif., San Diego—Improving 25th and Crosby Sts., to California Constr. Co., Union Bldg., $68,920; Reynard Way, State and Goldfinch Sts., to Cushing Constr. Co., 1501 Brookes Ave., $47,898; Granada, 29th, Dale and Palm Sts., to G. R. Daley, 4430 Boundary St., $41,700. Noted Jan. 10.

Industrial Works

PROPOSED WORK

Mass., New Bedford—Plant—Continental Wood Screw Co., Mt. Pleasant St., having plans prepared by Leary & Walker, archts. and engrs., Times Bldg., 2 story, 80 x 100 ft., brick and steel addition. $50,000.

R. I., North Smithfield—Wool Plant—Amadee-Prouvost Co., Roubaix, France, having plans prepared by Lockwood, Greene & Co., archts. and engrs., 24 Federal St., Boston, Mass., brick, fireproof, at Branch Village, here. $1,000,000.

R. I., Providence—Garage—Bay State Realty Co., c/o A. J. Frappier, archt., 86 Strand Bldg., having plans prepared 3 story, 94 x 150 ft., brick, steel and concrete, Cedar St. $150,000.

R. I., Providence—Mill—Dutton Lumber Co., Fields Point, plans 1 and 2 story addition. To exceed $40,000. Engineer and architect not selected.

N. Y., Horicon—H. Knoblauch, Bolton Landing, plans hydro-electric plant here, also transmission and distribution lines in Horicon, Bolton Landing and Chestertown. $95,000. Private plans.

N. Y., New York—Garage—J. Girardi, c/o Jardin, Hill & Murdock, archts., 50 East 42nd St., had plans prepared 2 story, rein.-con., brick and steel, plain foundation, Lexington Ave. $175,000. C. J. Jeppesen, 49 West 45th St., engr.

N. Y., Schenectady—Garage—J. D. Picotte, 964 State St., plans 3 story, 90 x 250 ft., brick and steel, Erie St. $325,000. Goodman, Lowenberg & Bardback, Schenectady, archts. and engrs.

Pa., Manayunk (Phila. P. O.)—Garage, etc.—H. F. Righter, 4648-4650 Umbria St., having plans prepared by F. V. Nickels, 15 South 21st St., Phila., 1 and 2 story, 50 x 91 ft., brick, steel and stone garage and service station, plain foundation, $40,000.

Pa., Phila.—Power House—Bureau Surveys, Room 216, City Hall, soon takes bids 1 story, 65 x 114 ft., brick and steel, plain foundation, at Northeast sewage disposal plant, Wheatshead Lane. Private plans.

Pa., Phila.—Garage and Service—B. Liebovitz, 4025 Baltimore Ave., having plans prepared by J. F. Canavan, 7032 Greenway Ave., 1 story, 76 x 300 ft. garage and 2 story, 50 x 300 ft. service station, Ridge and Gerhardt Sts. $175,000.

Fla., Bayboro—Power Plant—Pinellas Co. Power Co., c/o General Eng. & Management Corp., 165 Bway., New York, having plans prepared steam power plant, 6,500 kw. capacity, here. Private plans.

Fla., Bowden (Phillips, P. O.)—Shop—Florida East Coast Ry., St. Augustine, H. N. Rodenbaugh, genl. mgr., plans large shop and yard layout, here. W. G. Brown, engr. m. w.

Tenn., Chattanooga—Plant—Signal Mountain Portland Cement Co., James Bldg., plans 2 additional units, Signal Mountain. $500,000.

Tenn., Knoxville—Mill—Standard Knitting Mills, Washington Ave. and Mitchell St. plans addition. $75,000.

Tenn., Nashville—Garage—City making preliminary plans 2 story, 150 x 750 ft., 1st Ave. Plans to issue $400,000 bonds. H. E. House, mayor.

Ky., Lexington—Plant—Hughes & Co. plans 2 story, brick. $40,000.

Ky., Somerset—Southern R.R. Co., 13th St. and Pennsylvania Ave., Cincinnati, O., plans 1 story addition to repair shops, here. $60,000. A. Ritter, ch. engr.

O., East Cleveland (Cleveland P. O.)—Power House—See "Buildings."

Ind., Bedford—Ice Plant—Home Ice Co. plans plant. $50,000.

Ill., Chicago—Factory—Nelson Wiggins Piano Co., 224 Sheldon St., having plans prepared by F. V. Prather, 400 North Michigan St., 4 story, 125 x 175 ft., brick and timber, 1731 Belmont St. $250,000.

Wis., Sheboygan—Factory—Northern Furniture Co., South Water St. and New Jersey Ave., having plans prepared by W. C. Weeks, 720 Ontario Ave., 2 story, 66 x 237 ft., brick, rein.-con. and steel, plain foundation. $50,000.

Wis., Sheboygan—Foundry-Jenkins Machine Co., c/o A. Studeman, pres., 315 North 8th St., having plans prepared by E. A. Juul, Security Bldg., 1 story, 40 x 60 ft. foundry and machine shop, brick, rein.-con. and steel, plain foundation. $50,000.

Wis., Sheyboygan—Plant—Press Publishing Co., 702 Center Ave., having plans prepared by E. A. Juul, Security Bldg., 1 story, 110 x 150 ft., brick, rein.-con. and steel, plain foundation. $60,000.

Wis., Watertown—Factory—Breuer & Stone, Inc., 100 West Milwaukee St., plans 1 story, brick and timber, plain foundation. $50,000. Engineer and architect not selected.

Minn., Minneapolis—Factory—Fulton Bag & Cotton Mills, Hennepin Ave. and Taft St., plans 4 story and basement, rein.-con. and brick, 2001 East Hennepin Ave. $700,000. H. W. Wilmer, local mgr. F. Kees, 246 Plymouth Bldg., archt.

Kan., Fredonia—Voted $150,000 bonds and retained A. L. Mullergren, consult. engr., Gates Bldg., Kansas City, Mo., to prepare plans and supervise construction electric light plant, distributing system and electrification of water pumping plant.

Kan., Independence—Storage and Warehouse—Crystal Ice & Storage Co. plans 1 story, 60 x 104 ft., rein.-con. and brick. $60,000. Private plans.

Neb., Walthill—Light and Ice Plant—City having plans prepared by Prince-Nixon, Eng. Co., 501 Peters Trust Bldg., Omaha, and takes bids in spring, electric light and ice plant. $45,000.

Mo., Moberly—Factory—Todd Demountable Rim Co., c/o J. W. Lynch, having preliminary plans prepared 2 story and basement, 30 x 100 ft., rein.-con. and brick. $75,000. Private plans.

Tex., Dallas—Factory—Ford Motor Co., Highland Park, Mich., had plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 2 story, 150 x 200 ft., brick and concrete factory, also trackage and miscellaneous improvements. $1,000,000. Noted Sept. 27.

Okla., Miami—Concentrating—Enterprise Mining Co. soon takes bids 2 story, 50 x 120 ft., timber, plain foundation. $100,000. Private plans.

Okla., Okmulgee—Factory—W. A. Sorg, c/o Chamber of Commerce, plans 4 story, 40 x 40 ft., brick and concrete. $50,000. Private plans.

Wash., Seattle—Garage—E. Wilson, Dexter Horton Bldg., having plans prepared 6 story, fireproof, garage and stores, 2nd and Lenora Sts. $250,000. Engineers and architects names withheld.

Calif., Glendale—Garage—Kelly-Kline Motor Co., 230 North Brand St., had plans prepared by A. G. Bailey, Junior Orpheum Bldg., Los Angeles, 1 story, 50 x 135 ft., brick.

Calif., Hanford—Ice Cream Plant—Benham Ice Cream Co., 1420 H St., Fresno, plans plant, here. $40,000.

Calif., Los Angeles—Garage—W. Shortsleeve, et. al., 810 South Grand Ave., having plans prepared by Curlett & Beelman, Union Bank Bldg., 8 story and basement, 60 x 160 ft., rein.-con.

Calif., Los Angeles—Garage, etc.—J. Zoebelien, c/o S. Fossler, archt., 1616 Cahuenga Ave., had plans prepared 1 story, and mezzanine, 50 x 140 ft., garage and automobile salesroom, brick, 38th St. and Moneta Ave.

Calif., Los Angeles—Laundry—Progressive Laundry & Supply Co., California Bldg., plans 1 and 2 story, 100 x 130 ft., brick or concrete, Cordova St.

Calif., Los Angeles—Warehouse—Braun Corp., 363 New High St., had plans prepared by L. H. Hibbard, Metropolitan Bldg., 1 story, 120 x 200 ft., brick, San Pedro St.

Calif., Los Angeles—Warehouse—Los Angeles Iron & Steel Co., 820 Santa Fe Ave., had plans prepared by A. S. Heineman, San Fernando Bldg., 1 story, 120 x 120 ft., brick, Santa Fe Ave.

Calif., Moorpark—Power Plants—See Excavation, Drainage, Irrigation.

Calif., San Diego—Power Plant—See "Unclassified."

Calif., San Francisco—Warehouse—M. I. Schwartz, archt., Nevada Bank Bldg., receiving bids 3 story and basement, brick and concrete warehouse, for Redlick-Newman Furniture Co., 17th and Mission Sts. $45,000.

Ont., Hamilton—Factory—Hoover Suction Sweeper Co., Gage Ave. N., plans rein.-con., brick and steel addition, prob-

Industrial Works (Continued)

ably 2 or 3 story, plain foundation. $250,000. Engineer and architect not selected.

Ont., Hamilton — Mill — Mercury Mills, Ltd., Cumberland Ave., plans 2 or 3 story rein.-con., brick and steel addition to mills, plain foundation. $350,000. Engineer and architect not selected.

Ont., Hamilton—Sub-Station—Dominion Power & Transmission Co., Terminal Sta., plans concrete, brick and steel electric substation, to handle 10,000 hp. $250,000. Private plans.

Ont., Niagara Falls—Plant—United States Light & Heat Corp. plans to rebuild plant recently destroyed by fire. $120,000.

Ont., Queenston—Power Plant—Hydro Electric Power Comn., 110 University Ave., plans to install units 9 and 10 in Chippewa-Queenstown plant, each unit 55,000 hp. vertical turbine with electrical generator, etc. $3,000,000. F. A. Gaby, ch. engr.

Ont., Tavistock—Mill—Tavistock Milling Co., having plans prepared by Ratz & Son, new mill, 200 bbl. per day capacity. $90,000.

British Columbia—Sub-Stations, etc.—See "Unclassified."

B. C., Point Grey—Power Plant—Dept. Pub. Wks., Victoria, takes bids about Feb. 7, 50 x 60 x 120 ft., for University of British Columbia, 10th and Willow Sts., Vancouver, $100,000. Sharp & Thompson, 626 Pender St. W., Vancouver, archts.

B. C., Vancouver—Plant—British Columbia Electric Ry. Co., 425 Carrol St., having preliminary plans made by J. Kellior, engr., c/o owners, modern gas plant, 1,500,000 ft. capacity daily. $376,000.

BIDS DESIRED

N. Y., Long Island City—Housing Station—Feb. 11, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., housing station, 62nd Rd. and 94th St. $150,000.

N. Y., New York—Cold Storage—John B. Snook Sons, archts. and engrs., 52 Vesey St., taking bids and open same about Feb. 15, 16 story, 75 x 100 ft., rein.-con., brick and steel, plain foundation, Varick St., for Merchants Refrigerating Co., 161 Chamber St. $500,000.

Minn., Minneapolis — Factory — Juckem Co., 215 8th St. S., taking bids and opens same about Feb. 15, 2 story and basement, 60 x 165 ft., rein.-con., brick and stone, 217-19 9th St. S. $50,000. Liebenberg & Kaplan, 617 McKnight Bldg., archts.

Tex., Dallas—Warehouse—Sanger Bros., Elm and Lamar Sts., taking bids 3 story, 100 x 100 ft., brick and concrete, Austin and Wood Sts. $65,000. Lang & Witchell, Amer. Exch. Natl. Bank, engrs. and archts.

Tex., Dallas — Warehouse — Feb. 11, by Missouri, Kansas & Texas R.R., Railway Exch. Bldg., St. Louis, Mo., 7 story and basement, 100 x 200 ft., concrete and brick, Pacific and Market Sts., here. $750,000. K. H. Hanger, Katy Bldg., local engr. in charge.

Tex., Texas City—Refinery—Knox Process Co., Texas City, and 136 Liberty St., New York, taking bids 5,000 bbl. cracking plant; 50 x 132 ft. compressor, 40 ft. high; 15 x 80 ft. pumping plant, etc., here. $600,000. Private plans.

Calif., San Francisco—Garage—J. Palaprat, c/o O'Brien Bros., Inc., archts., 315 Montgomery St., receiving bids 1 story, rein.-con., 18th St. near Sanchez St. $40,000.

BIDS RECEIVED

N. Y., Raybrook—Cold Storage Plant—F. Erdwurn, pres. Bd. Trustees New York State Hospital for Care of Incipient Tuberculosis, Ray Brook, 2 story and basement, 44 x 109 ft., rein.-con. and steel, from Llwellyn Smith Constr. Co., Inc., Glens Falls, $78,870. Noted Jan. 10.

Md., Baltimore—Manufacturing—Bal-Mar Co., c/o Ballinger Co., engrs., 12th and Chestnut St., Phila., Pa., 1 story, 214 x 451 ft., brick, plain foundation, Homeland Ave. and Notre Dame Lane, from Consolidated Eng. Co., Calvert Bldg., $300,000.

CONTRACTS AWARDED

Conn., New Britain—Factory—American Hardware Corp., Franklin Sq., 6 story and basement, 60 x 140 ft. concrete addition, to Aberthaw Constr. Co., 27 School St., Boston. Archts. est. $175,000.

N. Y., New York—Garage—C. A. Cowen Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 2 story, rein.-con., brick and steel, plain foundation, 16 Convent Ave., by day labor. $150,000.

N. Y., New York—Garage—J. J. Tully, c/o Margon & Glaser, archts. and engrs., 2806 3rd Ave., will build 2 story, 100 x 250 ft., brick, steel and rein.-con., plain foundation, Brook Ave. and 163rd St., by day labor. $200,000.

N. J., Trenton—Pottery—Mutual Pottery Co., North Clinton Ave., brick and steel addition, to J. H. Morris, 211 North Montgomery St., and W. Burton, Mechanic Bldg., $300,000.

Pa., Ambridge — Warehouse — Central Tube Co., 1st Natl. Bank Bldg., Pittsburgh, will build three 1 story, 100 x 400 ft., 75 x 322 ft. and 100 x 150 ft. warehouse and factory buildings, 14th and Merchant Sts. Owner builds and awards separate contracts.

Pa., Latrobe — Plant — Anchor Drawn Steel Co., 1101 Farmers Bank Bldg., Pittsburgh, will build 1 story, 80 x 250 ft. and 60 x 120 ft. brick and steel plant. $250,000. Owner builds and awards separate contracts.

Pa., Phila.—Factory—P. S. Tyre, archt., 1509 Arch St., 2 story and basement, 30 x 60 ft. and 1 story and basement, 60 x 90 ft. rein.-con. and brick, plain foundation, 5th and Hamilton Sts., to Farrell-Roth Co., 1624 Spruce St., for Crescent Ink & Color Co., 408 Vine St. Noted Jan. 17.

Pa., Phila.—Factory—Corrugated Container Co., Trenton and Venango Sts., 2 story and basement, 80 x 93 ft. brick and steel, plain foundation, Venango and Sepviva Sts., to Robbins Constr. Co., 1137 North Front St. Noted Jan. 17.

Pa., Phila.—Plant—Fleu & Fetterolf, 5954 Germantown Ave., 2 story, 50 x 60 ft. brick and steel, plain foundation, Harvey and Germantown Aves., to W. C. Wright, 22 Harvey St.

Pa., Pittsburgh — Plant — Pittsburgh Brewing Co., 3340 Liberty Ave., 1 story, 100 x 140 ft. steel refrigeration plant, Charlotte and 32nd Sts., to Conley & DeMey, 127 North Hiland Ave. Archts est. $180,000.

Md., Baltimore—Garage, Sales and Service Station—Eastwick Motor Co., 120 West North Ave., 2 story, 150 x 165 ft., brick and concrete, plain foundation, Remington and 29th Sts., to Consolidated Eng. Co., Calvert Bldg., $100,000.

Md., Baltimore—Mill—Canton Co., Commerce and Water Sts., 1 story, 70 x 150 ft., brick and steel, Eastern Ave. and 37th St., to Price Constr. Co., Maryland Trust Bldg. Archts. est. $40,000. Noted Jan. 24.

Md., Baltimore—Powerhouse—Johns Hopkins Hospital, Wolfe and Monument Sts., 2 story, 139 x 152 ft., rein.-con. and brick, plain foundation, Wolfe St. between Monument and Madison Sts., to Consolidated Eng. Co., Calvert Bldg., $400,000. Archts. est. $450,000. Noted Nov. 22.

Miss., Jackson—Plant—Enochs Lumber Co. rebuilding lumber plant recently destroyed by fire, to Flagler Co., 34 Cone St., Atlanta, Ga. $250,000.

Tenn., Pulaski—Factory—Pulaski Development Co., 2 story brick, to J. Gladish & Co., Pulaski, $40,000. American Cigar Co., lessee. Noted Nov. 22.

O., Dayton — Factory — Duro Pump & Mfg. Co., 537 East Monument Ave., 4 story, 60 x 200 ft., rein.-con. and brick, plain foundation, Amelia St., to H. R. Blagg Co., 1229 East 3rd St., $150,000. Noted Dec. 27.

O., Springfield — Foundry — Wickham Piano Plate Co., 1 story, 62 x 194 ft., brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, Archts. est. $60,000.

Wis., Milwaukee — Warehouse — Boston Store, 319 Grand Ave., 1 story, 162 x 170 ft., brick and steel, plain foundation, Clinton St., to A. J. Koehn, 679 32nd St.; steel to Lakeside bridge & Steel Co., North Milwaukee. Archts. est. $70,000.

Mo., St. Louis — Plant — Imse-Schilling Sash & Door Co., 2016 Papin St., 3 story, 102 x 223 ft. warehouse, 2 story and basement, 62 x 122 ft. factory, also 2 story and basement, 62 x 62 ft. office all brick and concrete, Beck St., to W. H. Cunliff, 4935 Belmar Blvd. Archts. est. $200,000.

Tex., Dallas—Factory—Silvers Box Mfg. Co., Forney Ave., will build 2 story, 60 x 124 ft., brick by day labor factory. $80,000.

Tex., Dallas—Industrial—Morton Investment Co., Jefferson Hotel, 2 story and basement, 90 x 99 ft., concrete, brick and tile, Jackson St., to Southern Constr. Co., Melba Theater Bldg., $70,000. Engrs. est. $85,000. Noted Dec. 27.

Tex., Dallas—Industrial—W. Davis, Republic Natl. Bank, 3 story, concrete, Pacific St., to Inge Constr. Co., Swiss and Hawkins Sts., $40,000.

Tex., Ft. Worth — Factory — Williamson Dickie Mfg. Co., 115 East Boaz St., 3 story, 75 x 100 ft., brick and concrete, Railroad Ave., to C. M. Davis, North Main St., $80,000.

Tex., Ft. Worth—Garage—F. H. Jones Co., 200 Commerce St., 3 story and basement, 100 x 100 ft., brick and concrete, 1st and Commerce Sts., to Southwell & Abbott, Ft. Worth Natl. Bank Bldg. $66,000. Noted Dec. 6.

Tex., Houston — Warehouse — Henke-Pillot Grocery Co., Congress and Milam Sts., 3 story and basement, 70 x 100 ft., brick and concrete, to Russell Brown Co., 2nd Natl. Bank Bldg., $87,999. Engrs. est. $95,000.

Tex., Houston — Warehouse — Cheek-Neal Coffee Co., Preston and St. Emanuel Sts., 5 story, brick and concrete addition, to G. C. Street, Jr., 2112 Main St., $60,000. Noted Nov. 29.

Okla., Oklahoma City—Garage—J. B. Rolater, Shops Bldg., will build 2 story, 100 x 140 ft. rein.-con. and brick, plain foundation, Bway., by day labor. Hawk & Parr, Magnolia Bldg., archts.

Calif., Fresno—Ice Plant and Garage—Independent Ice Co., 1423 A St., will build brick addition to ice plant, incl. tank rooms, storage rooms and garage, by day labor. $40,000.

Calif., Long Beach—Garage—F. Hoffman, 2nd and Bennett Sts., 1 story, 90 x 130 ft. brick, Anaheim Rd., to H. R. Bradley, 1350 Coronado St.

Calif., Long Beach — Garage — H. S. Wright, 1740 Lewis St., 2 story, 50 x 150 ft., brick, American Ave., to Hamble & Taylor, 12 American Ave. Noted Jan. 3.

Calif., Los Angeles—Factory—Cain Gas Radiator Co., 5215 Moneta Ave., will build 1 story, 75 x 200 ft., corrugated iron, by day labor.

Calif., Los Angeles—Factory—Detwiler Mfg. Co., 1335 Santa Fe Ave., will build 1 story, 40 x 100 ft. boiler factory, corrugated iron, by day labor.

Calif., Los Angeles — Factory — Hoyt Heater Co., 2838 East 2nd St., 1 story, 70 x 200 ft., brick, 25th St., to L. R. Armstrong, Hollingsworth Bldg. $42,000. Noted Dec. 20.

Calif., Los Angeles—Factory—Standard Welding & Mfg. Co., 1146 South Los Angeles St., 1 story, 50 x 115 ft., brick, to Alexander Constr. Co., 260 Pacific Blvd., Huntington Park.

Calif., Los Angeles—Garage—I. Eisner, 1114 South Los Angeles St., will build 1 story, 90 x 120 ft., brick, Westminister Pl., by day labor.

Calif., Los Angeles — Garage — R. P. Flanders, 743 Wall St., 1 story, 35 x 115 ft., brick, Towne Ave., to F. F. Rasche, 5652 Hollywood Blvd.

Calif., Los Angeles—Garage—H. R. Hay, 951 South Grattan St., 1 story, 45 x 130 ft., brick, West Slauson Ave., to E. H. Slurtz, 6408 Del Valle Dr.

Calif., Los Angeles — Garage — Master Service Co., 1510 West 8th St., 1 story, 50 x 213 ft., South Hoover St., to Meyer & Holler, Wright & Callendar Bldg.

Calif., Los Angeles — Garage — J. A. Nadeau Co., 1100 East Slauson Ave., 1 story, 80 x 100 ft., brick and steel addition, to H. M. Baruch, I. W. Hellman Bldg. Noted Jan. 3.

Calif., Los Angeles—Garage—S. W. Smith Co., Inc., 1620 South Figueroa St., 1 story, 145 x 150 ft., brick, Gordon St., to Edwards, Wildey & Dixon, Black Bldg. Noted Jan. 3.

Calif., Los Angeles—Garage—F. M. Simpson, Citizens Natl. Bank Bldg., will build 1 story, 100 x 110 ft., brick, Crocker St., by day labor.

Calif., Los Angeles—Garage—Wilshire Garage Corp., 4 story and basement, 150 x 150 ft., rein.-con., 6th St. and Kenmore Ave., to Trewhitt-Shields Co., West Mutual Life Bldg., $280,000.

Calif., Los Angeles — Machine Shop — Adams-Campbell Co., 1734 South Los Angeles St., 2 story, 30 x 110 ft., to H. Nelson, 1812 West 43rd St.

Calif., Los Angeles — Machine Shop — Marbelite Corp., c/o contractors, 1 story, 50 x 150 ft. corrugated iron and steel, Long Beach Ave., to Brombacher Iron Wks., 1662 Long Beach Ave.

Calif., Los Angeles—Warehouse—Brunswick Drug Co., 501 North Main St., 5 story and basement, rein.-con., New High St., to C. A. Schweissinger, 625 Loomis St., $105,800. Noted Jan. 31.

Calif., Los Angeles—Wholesale—Western Wholesale Drug Co., 200 South Los Angeles St., 6 story and basement, 60 x 153 ft., rein.-con., Los Angeles St. between 2nd and 3rd Sts., to Clinton Constr. Co., Stock Exch. Bldg., $178,000. Noted Jan. 24.

Calif., Santa Monica — Garage — A. P. Creel, 717 Santa Monica Blvd., 1 story, 90 x 100 ft., brick, 4th Ave., to W. Eaton, 1436 4th Ave.

Buildings

PROPOSED WORK

Mass., Williamstown—School—City voted $50,000 additional bonds for 3 story, 65 x 200 ft., brick and steel, plain foundation. Total $200,000. Engineer and architect not selected.

N. Y., Binghamton—High School—Voted $450,000, bonds Junior High School, Broad Ave. T. I. Lacey & Sons, Press Bldg., archts. E. F. Prentice, city engr. Noted Sept. 6.

N. Y., Brooklyn—Laboratory—Dept. Pub. Welfare, Municipal Bldg., New York City, plans rein.-con, brick and steel, plain foundation, at Kings Co. Hospital, Clarkson St., here. $200,000. Private plans.

N. Y., Buffalo—Office—R. W. Goode & Co. plans 12 story, 150 x 250 ft., Niagara and Franklin Sts. To exceed $300,000. Engineer and architect not selected.

N. Y., Buffalo—Theater—Shea Amusement Co., 40 Court St., having preliminary plans prepared 200 x 234 ft., Main St. $1,500,000. Engineer and architects names withheld.

N. Y., Coney Island (Brooklyn, P. O.)—Theatre and Hotel—Anderson Holding Corp., c/o Shampan & Shampan, archts. and engrs., 189 Montague St., Brooklyn, having plans prepared altering and reconstructing portion of brick, steel and stone, plain foundation, Surf and Stillwell Aves., here. $250,000.

N. Y., Hudson Falls—Business Block—E. C. Rogers and others, plan 5 story, 88 x 120 ft., brick and steel, plain foundation, Main St. $165,000. Engineer and architect not selected.

N. Y., New York—Apartment Hotel, etc.—H. Schiff & Sons, Hotel Monterey, Bway. and 94th St., plans 22 story, apartment hotel, West 59th St., also 16 story, 100 x 215 ft. apartment, West End Ave., both brick, steel and stone, plain foundations. $2,500,000 each. Engineer and architect not selected.

N. Y., New York—Office—Kings Holding Co., c/o Moloney & Hallahan, archts. and engrs., 342 Madison Ave., having plans prepared brick, steel and stone, plain foundation, 43rd St. and 8th Ave. $150,000.

N. Y., New York—Office—J. Tishman & Sons, Inc., 280 Madison Ave., having plans prepared by Schwartz & Gross, archts. and engrs., 347 5th Ave., 12 story, brick, steel and stone, plain foundation, 415 Lexington Ave. $1,450,000.

N. Y., New York—School—St. Rose of Lima, c/o R. J. Reiley, archt. and engr., 50 East 41st St., having sketches made 4 story, brick and stone, St. Nicholas Ave. and 164th St. $250,000. J. R. Mahoney, pastor.

N. Y., Palmyra—School—Bd. Educ., soon takes bids brick, steel and stone, plain foundation. $325,000. Tooker & Marsh, 101 Park Ave., New York City, archts. and engrs.

N. Y., Yonkers — Exchange — New York Telephone Co., 15 Dey St., New York City, soon takes bids brick, steel and stone, plain foundation, Main St. $350,000. McKenzie, Voorhees & Gmelin, 342 Madison Ave., New York City, archts. and engrs.

N. J., East Somerville — Hospital — Bd. Trustees Somerset Hospital, soon takes bids 5 story, brick, steel and stone, plain foundation, here. $250,000. Crow, Lewis & Wick, 200 5th Ave., New York City, archts. and engrs.

N. J., Elizabeth — Hotel — A. Wittman, Broad St., having plans prepared by S. Campbell, archt. and engr., 36 West 40th St., New York City, brick, steel and stone, plain foundation, Broad and Union Sts. $225,000.

N. J., Hoboken—Bank and Office—Second Natl. Bank, 79 River St., soon takes bids brick, steel and stone, plain foundation, Newark Ave. $350,000. Crow, Lewis & Wick, 200 5th Ave., New York City, archts. and engrs. Noted Nov. 8.

N. J., Newark—Apartment—R. Botelli, archt. and engr., 207 Market St., preparing plans 5 story, brick, steel and stone, plain foundation, Highland and 2nd Aves. $200,000. Owners name withheld.

N. J., Newark—School—Bd. Educ., City Hall, soon takes bids 3 story, brick, steel and stone school for crippled children, Weequahic section, Maple and Goldsmith Aves. $600,000. Guilbert & Bettelle, 2 Lombardy St., archts. and engrs. Noted Nov. 29.

N. J., Roselle—High School—Bd. Educ. soon takes bids brick, steel and stone addition, plain foundation. $300,000. Rasmussen & Wayland, 252 West 46th St., New York City, archts. and engrs.

Pa., Bedford—High School—Bd. Educ. plans 3 story and basement, 100 x 120 ft. rein.-con., brick and steel. $300,000. Architect not selected.

Pa., Lancaster—Store—Watt & Shaw, 2 East King St., having plans prepared by C. Ellrban, Woolworth Bldg., 4 story and basement, 59 x 102 ft. brick and steel, plain foundation, 2 East King St. $150,000.

Pa., Phila. — Apartment — K. K. Otto, archt., 1828 Arch St., preparing plans 4 story and basement, 41 x 100 ft. brick and steel, plain foundation, 19th and Green Sts. $175,000. Owner's name withheld.

N. C., Charlotte — Office — City having plans prepared by C. C. Hook, Trust Bldg., brick, steel and stone, East Trade St. $250,000.

N. C., Durham—Auditorium—City having plans prepared by Milburn & Heister, Union Savings Bank Bldg., Wash., D. C., auditorium. $175,000.

N. C., Durham—Store—Milburn & Heister, archts., Union Savings Bank Bldg., Wash., D. C., preparing plans department store. $250,000. Owner's name withheld.

Fla., Miami—Apartment—Coral Gables Co. had plans prepared by Kiehnel & Elliott, Miami, 4 story, 94 x 172 x 182 ft., Coral Gables and Ponce de Leon Blvd. $225,000.

Miss., Columbus—Hotel—A. Gunter having plans prepared by R. A. Heavner, Jackson, Tenn., 80 room hotel. $150,000.

Miss., Meridan—Schools—Election Feb. 25, $500,000 bonds, improvements incl. new high school, 2 grade schools and repairs and improvements to existing buildings.

O., Cleveland—Academic, etc.—University School, c/o A. C. Brown, East 71st St. and Hough Ave., having plans prepared by Walker & Weeks, 1900 Euclid Ave., 72 x 240 ft. academic building, 70 x 190 ft. dormitory, 40 x 120 ft. rectory and dining hall, 50 x 96 ft. service building, and 50 x 90 ft. manual training building, brick and steel, Warrensville Center Rd. $1,000,000.

O., Cleveland—Commercial—International Wood, Wire & Metal Lathers, c/o W. J. McSorley, pres., Superior Bldg., having plans prepared by Dresser-Mintor Co., The Arcade, 3 story and basement, 64 x 75 ft., brick, steel and concrete, West 26th St. and Detroit Ave. $150,000.

O., Cleveland—Hotel—Eastern Hotel Syndicate, c/o M. H. Price, Ulmer Bldg., plans 8 story and basement, brick, steel and concrete, 510 Prospect Ave. $500,000. Engineer and architect not available.

O., Cleveland — Hotel — Euclid-Plaza Hotel, c/o M. Marmorstein, pres., Ulmer Bldg., having plans prepared by W. S. Ferguson Co., 1900 Euclid Ave., 10 story and basement, 99 x 200 ft., brick, steel and concrete, 2300 Euclid Ave. $1,500,000.

O., Cleveland—Laboratory and Administration—Psychiatric Foundation of Western Reserve, c/o O. P. Van Sweringen, Marshall Bldg., plans brick, steel and concrete, near here. $1,000,000. Engineer and architect not selected.

O., Cleveland — Orphanage — Catholic Charities Corp., c/o W. F. Lyon, pres., 704 Century Bldg., takes bids about June 1, 1st group of buildings, incl. school, dining hall, kitchen and cottages, brick, steel and concrete, State and Bean Rds. $2,000,000. G. S. Rider & Co., Century Bldg., archts.

O., Cleveland—Orphanage—Jewish Orphans Home, c/o M. Sharlitt, supt., 5000 Woodland Ave., having preliminary plans prepared by Morris & Weinberg, 3226 Euclid Ave., 1 and 2 story, brick, steel and concrete. $1,500,000.

O., Columbus—Hotel—White Cross Hospital Assn., North Park St., having plans prepared by A. Dearing, Boston, 9 story and basement, 75 x 120 ft., brick, steel and concrete addition. $350,000.

O., East Cleveland (Cleveland P. O.)—Hospital, Nurses Home and Power House—Cleveland Homeopathic Medical Society, c/o H. D. Sims, secy., 423 Erie Bldg., Cleveland, had plans prepared by A. M. Allen & Co., 7016 Euclid Ave., Cleveland, 3 story, brick, steel and concrete, Terrace Rd., here. $1,000,000.

O., Oakharbor—Church—St. Johns Lutheran Church having plans prepared by J. W. C. Corbusier, B. F. Keith Bldg., 1 story and basement, 56 x 140 ft., brick, steel and stone. $150,000.

O., Steubenville—Theatre and Store—Tri-State Amusement Co. having plans prepared by C. C. and E. A. Weber, 148 Ingalls Bldg., Cincinnati, theatre and store. $500,000. Noted June 28.

O., Youngstown—Hotel—Ohio Hotel Operating Co., having plans prepared by Stanley & Scheibel, 1301 Wicks Bldg., 4 story addition. $200,000.

Ind., Bloomington—Dormitory and Memorial—J. W. Craven, secy. Indiana University, rejected bids Jan. 29, 3 story, 40 x 280 ft., rein.-con. and stone. $330,000. Will revise plans. Lowe & Bollenbacher, 108 South La Salla St., Chicago, archts. Noted Jan. 10.

Mich., Detroit—Apartment—H. J. Goossen, 4229 Mt. Elliott Ave., having plans prepared by Van Leyen, Schilling, Keough & Reynolds, 3440 Cass Ave., 10 story and basement, 155 x 200 ft. rein.-con., brick and steel, plain foundation, Cass Ave. $2,000,000.

Mich., Detroit — Hotel — L. Kamper, archt., Kamper Bldg., preparing plans 10 story and basement, 60 x 110 ft., rein.-con., brick and steel, plain foundation, Park Blvd. Owner's name withheld.

Mich., Detroit—Lodge—Amaranth Lodge, c/o B. C. Wetzel & Co., archts., 2317 Dime Bank Bldg., having plans prepared 4 story and basement, 70 x 112 ft. rein.-con., brick and steel, plain foundation, Gratiot Ave. $150,000.

Ill., Chicago—Apartment—C. E. Anderson Constr. Co., 306 South Wabash St., plans 3 story and basement, 100 x 100 ft., fireproof, 69th and Jefferson Sts. $200,000. W. G. Kreig and J. T. and M. D. Hetherington, 105 North Clark St., archts.

Ill., Chicago — Apartment and Store — Owner, c/o C. O. Liska, archt., 35 South Dearborn St., plans 3 story, fireproof, Division and Crawford Sts. $150,000.

Ill., Chicago — Apartment — Solomon & Levin, c/o Rissman & Hirschfeld, 64 West Randolph St., plans 13 story, 100 x 150 ft., fireproof, Sheriden and Brompton Sts. $3,000,000.

Ill., Chicago—Hotel—A. I. Jordan, 111 West Washington St., having plans prepared by J. A. Armstrong, 127 North Dearborn St., 9 story, 100 x 135 ft., fireproof, Cornell and 54th Sts. $1,000,000.

Ill., Chicago—Store, Office and Theatre—Lubliner & Trinz, Van Buren and State Sts., plan 140 x 225 ft., fireproof, Madison St. near Mayfield St. $2,000,000. Engineer and architect not selected.

Ill., Chicago—Theatre—S. G. Grodson, c/o M. M. Fishman, archt., 118 North La Salle St., plans 90 x 160 ft., fireproof, State and 51st Sts. $200,000.

Ill., Chicago—Theological School—Chicago University plans 3 story, fireproof, $500,000. Coolidge & Hodgdon, 134 South LaSalle St., archts.

Ill., Chicago—Office—H. E. Bell, c/o K. M. Vitzthum & Co., archts., 605 North Michigan St., plans 23 story, 64 x 130 ft., fireproof, South Water and Michigan Sts. $3,000,000.

Ill., Chicago—Office and Hall—Plasterers Union Local 5, c/o Holabird & Roche, archts., 104 South Michigan St., plans 75 x 125 ft., fireproof, Van Buren and Marshfield Sts. $200,000.

Ill., Chicago—Store, Office and Amusement—Madison Kedzie Building Corp., c/o A. S. Alschuler archt., 28 East Jackson St., plans 150 x 190 ft., fireproof, Madison and Kedzie Sts. $1,000,000.

Ill., Decatur — Church — First Baptist Church, 124 East Prairie St., having preliminary plans prepared by S. A. Clausen, 701 Milliken Bldg., 2 story, brick, stone and rein.-con., Prairie St. $150,000.

Ill., Dixon—Bank and Office—City Natl. Bank having preliminary plans prepared 2 or 3 story, 50 x 90 ft., rein.-con., brick and stone. $150,000. Engineer and architect not selected.

Ill., Peoria—Armory—E. A. Martin, archt., 304 South Wabash St., Chicago, rejected bids 2 story and basement, 56 x 170 ft. and 56 x 161 ft., rein.-con., brick, tile and stone, here, for Dept. Pub. Wks., Springfield. $200,000. Will readvertise. Noted Nov. 22.

Ill., Peoria—Coliseum—Election in April, to vote on levy of two mill tax to provide funds for erection and maintenance of coliseum. Will issue bonds for cost and retire with tax funds. To exceed $200,000. City architect and engineer will prepare plans.

Wis., Bayfield—Hall and Community—City c/o J. B. McLucas, clk., plans to rebuild 2 story, brick and concrete, plain foundation, recently destroyed by fire. $150,000. Engineer and architect not selected.

Wis., Janesville—Hotel—E. W. Sparling, 494 Cass St., Milwaukee, plans 6 story and basement, 100 x 110 ft., brick and concrete, plain foundation, Milwaukee St., here. $450,000. Engineer and architect not selected.

Wis., Kenosha—Hospital—St. Catherine Hospital, Sisters of St. Dominic, Milwaukee

Buildings (Continued)

Ave., having plans prepared by Berlin & Swern, 19 South La Salle St., Chicago, 5 story and basement, brick and concrete, plain foundation, Milwaukee Ave. $325,000. Also plans power house and laundry.

Wis., Lancaster — High School — School Bd. rejected bids 2 story and basement, brick and tile, plain foundation. $175,000. Will revise plans and readvertise. Parkinson & Dockendorff, Linker Bldg., La Crosse, engrs. Noted Jan. 17.

Wis., Milwaukee—Business—D. Lappin, 124 West Water St., plans 2 story, 100 x 120 ft., brick and timber addition, Bway. $150,000. Engineer and architect not selected.

Wis., Milwaukee — Clubhouse — Tripoli Country Club, J. D. Bird, 596 Summit Ave., pres., had plans prepared by A. D. Koch, 120 Wisconsin St., and soon takes bids 2 story, 52 x 200 ft., brick and tile, plain foundation, Hopkins Rd. $150,000.

Wis., Milwaukee—School—E. A. Meyre, archt., 614 7th Ave., preparing plans 2 story and basement, 62 x 104 ft., brick and tile, plain foundation. $150,000. Owners name withheld.

Wis., Milwaukee—Theater and Office—E. Maxiner and F. Trottmann, 381 Grove St., having plans prepared by E. A. Meyer, 614 7th St., 2 story and basement, 55 x 150 ft., brick and concrete, plain foundation, Grove St. $150,000.

Wis., Watertown — Hotel — Local stock Company headed by E. C. Wolfram, North Water St., plans 5 story and basement, brick and concrete, plain foundation, Main St. $275,000. Engineer and architect not selected.

Ia., Ottumwa — Hospital — St. Josephs Hospital plans 3 or 4 story and basement, rein.-con., brick and stone, 181 rooms. $300,000. Architect not announced.

Minn., St. Paul—City Hall and Court House—City and Ramsey Co. having preliminary sketches made by F. X. Tewes, city archt., City Hall. 5 story and basement, 240 x 240 ft., Wabashe St. between 4th and 5th Sts. $2,500,000.

Kan., Topeka—Hospital—Amer. Hospital Assn. having preliminary plans prepared by Chandler & Emshwiller, 301 Commerce Bldg., 3 story and basement, rein.-con. and brick. $200,000.

Kan., Topeka—Hospital—Christ Hospital, c/o R. R. J. Wise, bishop, 9th and Polk Sts., having preliminary plans prepared by Schmidt, Garden & Martin, 104 South Michigan Ave., Chicago, 4 story and basement, rein.-con., brick and stone. $450,000 to $500,000.

Mo., Kansas City—Church—First Baptist Church had preliminary plans prepared by J. H. Felt & Co., 800 Grand Ave. Temple, rein.-con., brick and stone addition. $500,000.

Mo., Kirksville—College—State Teachers College plans brick, concrete and stone, to replace Baldwin and Library Halls, recently destroyed by fire. $200,000-$250,000. J. Kirk, pres. Engineer and architect not selected.

Mo., St. Louis—Apartment—J. A. Wright, Place City, having preliminary plans prepared by V. Proetz, A. S. Clark, and O. A. Skinner, 108 North Dearborn St., Chicago, 8 story and basement, brick, stone, marble, tile and terra cotta, Olive St., here. $750,000.

Mo., St. Louis—Art—Washington University, Skinker Rd. and Forsythe Blvd., having plans prepared by Jamieson & Spearl, Arcade Bldg., 2 story, 54 x 184 ft., rein.-con., granite, brick and stone, campus. $250,000.

Mo., St. Louis—Hall—Our Community League, c/o Poro College, 4300 St. Ferdinand St., having preliminary plans prepared 4 story and basement, 80 x 130 ft., brick, terra cotta and concrete, Ewing and Pine Sts. $350,000. Private plans.

Mo., University (St. Louis P. O.)—Church—First Presbyterian Church, Sarah and Washington Aves., plans 2 story, rein.-con., brick and stone, Delmar Blvd. $200,000.

Tex., Dallas—Hotel—J. B. Munn, 4915 Worth St., and associates, plan 19 story, brick, concrete and steel, Main and Poydras Sts. $1,000,000. Engineer and architect not announced.

Tex., Dallas—Office—Morten Investment Co., Jefferson Hotel, plans office, Commerce and Austin Sts. $150,000. Engineer and architect not announced.

Okla., Chickasha — School — Bd. Educ. having preliminary plans prepared by E. H. Eads, Chickasha, for Ward School. Election soon to vote on $150,000 bonds.

Wash., Seattle—Apartment—F. T. Sherman, c/o J. Graham, archt., Dexter-Horton Bldg., having plans prepared 10 story, 120 x 120 ft., concrete and steel, 7th and Seneca Sts. $700,000.

Wash., Seattle—Lodge—Fraternal Order Eagles Aerie No. 1, had plans prepared by H. Bittman, Securities Bldg., 6 story, 120 x 175 ft., (with foundation to provide for 10 stories), rein.-con. and steel, 7th and Union Sts. $1,000,000. Noted Oct. 4.

Calif., Alameda — Lodge — Masonic Hall Assn. of Alameda, c/o C. Werner, archt., Santa Fe Bldg., San Francisco, having plans prepared lodge, Class A construction, Alameda Ave. $150,000.

Calif., Bakersfield—Church—St. Josephs Roman Catholic Church, Oregon and Kern Sts., plans fireproof church, Baker St. $150,000.

Calif., Fresno—Office—Security Title Insurance & Guaranty Co., Brix Bldg., plans 5 or 6 story, fireproof, Fulton St. $150,000. Engineer and architect not selected.

Calif., Huntington Park—Schools—Huntington Park Grammar School Dist. and Union High School Dist. voted $250,000 and $750,000 bonds respectively for school buildings.

Ont., Kitchener—City Hall—City plans 3 story and basement, rein.-con., brick and steel, plain foundation. $300,000. S. Shupe, city engr. Architect not selected.

Calif., Long Beach—Long Beach Hotels Co., Inc., 612 West Ocean Ave., having plans prepared by M. Hunt, H. Chambers and W. Austin, 1107 Hibernian Bldg., Los Angeles, 5 story and basement, rein.-con., 300 rooms. $1,000,000.

Calif., Long Beach—Schools—Voted $4,900,000 bonds, building and equipping 5 high and 15 elementary schools. Noted Dec. 6.

Calif., Los Angeles — Club — Southern California Commercial Club, c/o E. Bergstrom, archt., Citizens Natl. Bank Bldg., having preliminary plans prepared 12 story, 100 x 175 ft., rein.-con.

Calif., Los Angeles—High School—City having plans prepared by F. J. Soper, Kerckhoff Bldg., 1 to 3 story, brick, at Foshay Junior High School site. To exceed $250,000.

Calif., Los Angeles—Hotel and Store—F. W. Byer, c/o L. A. Smith, archt., 3rd St. and Western Ave., having plans prepared 10 story and basement, 40 x 100 ft., rein.-con., Wall and 5th Sts. $200,000.

Calif., Los Angeles—Hotel—H. Genser, archt., Hibernian Bldg., preparing plans 4 story and basement, 100 x 150 ft., brick, Union Ave. $200,000. Owners name withheld.

Calif., Los Angeles—Hotel and Store—T. Quinn, et. al., c/o L. L. Jones, archt., Grosse Bldg., having plans prepared 4 story and basement, brick and concrete, Los Angeles St. $175,000.

Calif., Los Angeles—Loft and Store—L. M. Harvey, 1333 South Los Angeles St., interested, in syndicate which plans 12 story, on 100 x 150 ft. site, Hill and 10th Sts. $1,000,000.

Calif., Los Angeles—Office—E. L. Doheny, Security Bldg., plans fireproof, on 165 x 175 ft. site, 10th and Flower Sts. To exceed $150,000.

Calif., Los Angeles—Office—Shell Co. of California, Higgins Bldg., plans fireproof, vicinity 10th and Flower Sts. To exceed $150,000.

Calif., Los Angeles—Office and Theater—J. Toplitzky, et al, H. W. Hellman Bldg., plans 10 to 12 story, fireproof, on 120 x 165 ft. site, Bway. To exceed $750,000.

Calif., Monrovia — Hospital — Monrovia Community Hospital Assn., c/o C. W. Lee, plans fireproof hospital on 290 x 500 ft. site. Funds being raised. Engineer and architect not selected.

Calif., Pasadena—Theatre, Store, Apartment and Office—W. M. Patch, representing interests, c/o C. L. Jay, archt., Braley Bldg., Pasadena, and H. M. Patterson, associated archt., Johnson Bldg., Los Angeles, having plans prepared 2 and 3 story, brick, Washington St. $150,000.

Calif., Sacramento — Store — Nathan & Sons, 800 L St., having plans prepared by Hemmings & Starks, Ochsner, Bldg., 3 story and basement, rein.-con., J St. $200,000. Noted Jan. 31.

Calif., Sacramento — Temple — Ben Ali Temple of Mystic Shrine plans fireproof temple, 14th and L Sts. $500,000. Engineer and architect not selected.

Calif., San Bernardino — Theatre and Lodge—B. P. O. E., Lodge 836, having preliminary plans prepared by B. M. Pretica, Pantages Theatre Bldg., Seattle, Wash., 3 story, rein.-con., on 215 x 300 ft. site, 4th St. To exceed $150,000.

Calif., San Francisco — Lodge — Golden Gate and Mission Councils, Nos. 2507 and 2519 respectively, Knights of Columbus, K. of C. Bldg., plan two fireproof lodge buildings. $100,000 each. Engineer and architect not selected.

Calif., San Mateo—Church—Methodist Episcopal Church plans church, Howard Ave. $150,000 or more.

Calif., San Pedro — Hotel and Store — Sixth & San Pedro Hotel Co., c/o C. F. Whittlesey, archt., 6533 Hollywood Blvd., Los Angeles, having plans prepared 10 story and basement, rein.-con., 6th and San Pedro Sts. To exceed $500,000.

Calif., Santa Rosa—Home—Knights of Pythias plan fireproof home for aged and orphans, here. To exceed $150,000. E. O. Jackson, Petaluma, member site selection com. Engineer and architect not selected.

Ont., Aurora—College—St. Andrews College, Rosedale, Toronto, having plans prepared by Paisley & Marani, 35 Colborne St., Toronto, 2 and 3 story and basement, rein.-con., brick and steel, plain foundation, Yonge St. $500,000.

Ont., Ford — School — Pub. School Bd. plans 2 story and basement, 20 room, rein.-con., brick and steel, plain foundation. $230,000. Engineer and architect not selected.

Ont., Mimico—School—Bd. Educ. having plans prepared by Burden & Gouinlock, 101 King St. W., Toronto, 2 story and basement, 8 room, rein.-con., brick and steel, plain foundation. $150,000.

Ont., Ottawa — Church — St. Matthews Church plans brick and stone, plain foundation, 1st Ave. $150,000. Architect not selected.

Ont., Sandwich—Court House and Jail—Essex Co. Council having plans prepared by M. E. Brian, engr., City Hall, Windsor, and takes bids about May 1, new stone court house and jail. $300,000.

Ont., Sandwich—Office—Essex Co. Council having plans prepared by M. E. Brian, engr., City Hall, Windsor, and takes bids about May 1, brick office. $400,000. Prices wanted on materials.

Ont., Toronto—Apartment—First Mortgage Bonds Ltd., 1104 Royal Bank Bldg., plans 7 story and basement, 100 x 170 ft. rein.-con., brick and steel, plain foundation, Sherbourne St. $800,000. Engineer and architect not selected.

Ont., Toronto—High School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St. 2 story and basement, 20 room, rein.-con., brick and steel, plain foundation, Dufferin St. $250,000.

Ont., Toronto—School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 story and basement, 20 room addition to Alexander Muir School, rein.-con., brick and steel, plain foundation. $200,000.

B. C., Vancouver—Schools—Election in March, $523,000 bonds, 3 story, 20 room rein.-con. and brick school, Denman St., also 2 other schools, for Bd. School Trustees, Hamilton St.

BIDS DESIRED

Mass., Boston—Hotel—Feb. 18, by G. B. Post & Sons, archts. and engrs., 101 Park Ave., New York City, 12 story, brick, stone and steel, Arlington St., here, for Statler Hotel Co., 7th Ave. and 33rd St., New York City. $4,000,000. Noted June 1, 1922.

R. I., Providence—Office—Clarke & Howe, archts., 1208 Turks Head Bldg., taking bids 5 story, 60 x 129 ft., brick and steel, fireproof, Weybosset St., for Providence Gas Co., Turks Head Bldg. $200,000. Noted Feb. 1.

N. Y., Albany — Hotel — Feb. 10, by C. J. Holding, Wellington Hotel, 11 story, 40 x 70 ft., brick and steel addition, plain foundation, State St. $500,000. J. N. Nolan, Albany, archt. and engr. Noted Oct. 18.

N. Y., Bronxville — School — Bd. Educ. taking bids and opens same about Mar. 5, brick, steel and stone, plain foundation, Pondfield Rd. Guilbert & Bettelle, 2 Lombardy St., Newark, N. J., archts. and engrs. Noted June 28.

N. Y., Brooklyn—Schools—Feb. 26, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., P. S. 215, Ave. S from East 2nd to East 3rd Sts., also P. S. 206, Ave. V from Elmore to Delamere Places, for Bd. Educ., 500 Park Ave., New York City. Noted Mar. 1.

N. Y., Long Island City—School—Feb. 26, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn. P. S. 125, Nelson Ave. from Carolin to Bliss Sts., here, for Bd. Educ., 500 Park Ave., New York City.

Buildings (Continued)

N. Y., New York—Loft—Seventh Ave. and 35th St. Corp., 47 West 34th St., will build 22 story, brick, steel and stone, plain foundation, 35th St. and 7th Ave. Work will be done by separate contracts under supervision of Buchman & Kahn, archts. and engrs., 56 West 45th St.

N. J., Atlantic City—Clubhouse—Apr. 1, by B.P.O.E. No. 276, 5 story, 75 x 140 ft., brick, steel and stone, Virginia Ave. near Beach St. $350,000. V. B. Smith, Guarantee Trust Bldg., archt.

Md., Baltimore—Store—Feb. 8, by S. Russell, archt., 11 East Lexington St., 3 story, 25 x 167 ft., brick, plain foundation, 411 North Howard St., for Excello Illuminating Co., 411 North Howard St. $150,000. Noted May 17.

W. Va., Bluefield—Municipal—Feb. 19, for city hall. W. T. Mills, 900 Atlas Bldg., Columbus, O., archt. M. J. Garry and R. A. Sheffey, both of Bluefield, associated archts. Noted Nov. 8.

W. Va., Huntington—Bank—Union Bank & Trust Co., 4th Ave. and 9th St., taking bids 15 story. $500,000. Meanor & Handloser, Robson-Prichard Bldg., archts. Noted Feb. 8, 1923.

La., Lecompte — High School — Feb. 20, by Favrot & Livaudais, archts., Hibernia Bank Bldg., New Orleans, 3 story, concrete, brick and stone, here, for Rapides Co. Bd. Educ. (Alexandria). $150,000.

Tenn., Memphis—Jail—Feb. 15, by J. A. Reichman, chn. jail comn., 5 story and basement, 55 x 250 ft., rein.-con., steel and stone, Washington Ave. $500,000. Jones & Furbringer, Porter Bldg., archts. Noted Jan. 17.

O., Akron—High School—Feb. 19, by Bd. Educ., 3 story and basement, brick, steel and concrete, Brown and Archwood Aves. $750,000. M. M. Karnoski, 102 South Union St., archt.

O., Ashland—School—Feb. 19, by Bd. Educ., 2 story and basement, brick, steel and concrete. $200,000. V. Redding and associates, Mansfield, archts.

O., Youngstown—Theater and Office—May 1, by Palace Realty Co., 4 story, 105 x 225 ft., Wick Ave. and Public Sq. $900,000. T. W. Lamb, 644 8th Ave., New York City, archt. B. F. Keith Theater Co., lessee.

Mich., Detroit—Hotel—Webster Hall Hotel Co., c/o Halpin & Jewell, archts., 1024 Hammond Bldg., taking bids and opens same about Feb. 15, 12 story and basement, 100 x 120 ft. rein.-con., brick and steel, plain foundation, Cass Ave. $1,500,000.

Ill., Beardstown—High School—Feb. 15, by C. J. White, pres. Bd. Educ., 2 story and basement, brick, stone and rein.-con. $150,000. M. J. Geise, 800½ Main St., Quincy, archt. Noted Nov. 29.

Wis., Appleton — Hotel — M. Tullgren & Sons, archts., 425 East Water St., Milwaukee, taking bids on superstructure, 6 story, 58 x 77 ft., brick and concrete addition, for John Conway Hotel Co., Oneida St. $150,000.

Wis., Milwaukee—Bank and Office—Feb. 12, by Dick & Bauer, archts., 811 State St., superstructure 2 story and basement, 67 x 69 ft. and 24 x 67 ft., brick and concrete, North Ave., for Northwestern Bank Bldg. Co., J. Reutermann, pres., 114 Grand Ave. Foundation previously let. Noted Jan. 17.

Wis., Milwaukee — Business — Herbst & Kuenzli, archts., 114 Grand Ave., taking bids and opens same about Feb 11, 2 story, 90 x 142 ft., brick and tile, plain foundation, Mitchell St., for Ninth & Mitchell Realty Co., 216 West Water St. $150,000. Noted Jan. 31.

Ia., Ft. Dodge—Hospital—Feb. 14, by St. Josephs Mercy Hospital, 3 story and basement, 45 x 143 ft., rein.-con., brick, tile and stone. $150,000. W. L. Steel, 502 United Bank Bldg., Sioux City, archt.

Ia., Sioux City—Hospital—Feb. 20, by St. Josephs Mercy Hospital, 4 story and basement, rein.-con., brick and steel addition, 21st and Court Sts. $250,000. Beuttler & Arnold, Grain Exch. Bldg., Sioux City, and J. H. Wheeler, 508 Exch. Bldg., St. Paul, Minn., archts. Noted Sept. 27.

Minn., Duluth—Community—Apr. 1, by A. N. Cook, ch. com. Duluth Jewish Center Assn., 1116 East 5th St., 2 story and basement, 100 x 140 ft., rein.-con., brick and steel, plain foundation, 2nd St. and 8th Ave. E. Ellingsen & Erickson, 306 Lonsdale Bldg., archts. and engrs.

Minn., Gilbert—School—Mar. 1, by Secretary School Dist., 2 story and basement, 75 x 200 ft., rein.-con. and brick. $250,000. W. T. Bray, 617 Torrey Bldg., Duluth, archt. and engr.

S. D., Vermilion—Auditorium—Feb. 27, by Bd. Regents University of South Dakota, 4 story and basement, 74 x 105 ft. rein.-con., brick and tile, on Campus. $250,000. Perkins & McWayne, 322 Paulton Blk., Sioux Falls, archts.

Mo., Kansas City — Office and Store — Feb. 12, by F. E. McIllvain, archt., 1001 Orear-Leslie Bldg., 7 story and basement, 87 x 115 ft., rein.-con., brick and steel, for Palace Clothing Co., 909 Main St. $500,000.

Tex., Amarillo—Club—Feb. 25, by Herbert M. Greene Co., archts., North Texas Bldg., 3 story and basement, brick and concrete, plain foundation, for Masonic Temple Assn. $175,000. Noted Dec. 6.

Tex., Tyler—Office and Bank—Feb. 18, by Citizens Natl. Bank, 7 story and basement, 54 x 103 ft., concrete, brick and stone, North Bway. Noted Nov. 15.

Calif., San Francisco — Hospital — A. I. Coffey, archt., Humboldt Bank Bldg., receiving bids 4 story and basement, rein.-con., Jackson St., for Chinese Six Companies, 843 Stockton St. $150,000. Noted Nov. 29.

Ont., Toronto — Office — Manufacturers Life Insurance Co., Victoria and King Sts., taking bids 7 or 8 story and basement, 100 x 150 ft., rein.-con., brick and steel, plain foundation, Bloor St. E. $500,000. Sproatt & Rolph, 36 North St., archts.

BIDS RECEIVED

N. J., Bordentown — Dormitory — State Bd. Educ., Trenton, Feb. 1, general contract 3 story, 55 x 175 ft., brick and steel, for Manual Training & Industrial School for Colored Youths, here, from F. Lanze, Audubon, $161,942. Noted Jan. 24.

N. J., Millville—High School—Bd. Educ., Jan. 30, general contract 2 story and basement, 150 x 220 ft., Broad and 5th Sts., from G. V. Shaver, Palmyra, $243,779; heating from J. F. Craig, 621 Communipaw Ave., Jersey City, $34,125. Noted Jan. 10.

O., Columbus — Medical Science — Bd. Trustees Ohio State University, 4 story and basement, 50 x 125 ft., brick and concrete addition, on campus, from Boyajohn & Barr, Brunson Bldg., $187,000. Noted Jan. 17.

Wis., Mayville—School, etc.—School Bd., 2 story, 70 x 157 ft. high school and 80 x 200 ft. gymnasium, brick and tile, plain foundation, from Rohde-Kapelle Co., Route 2, Mayville, $183,936. Noted Jan. 17.

Ia., Ottumwa—Y. W. C. A., converting Y. M. C. A. building into Y. W. C. A., 4 story and basement, rein.-con., brick, tile and stone, from Bracker Constr. Co., 638 Builders Exch. Bldg., Minneapolis, Minn. Archts. est. $150,000. Noted Jan. 10.

Minn., St. Paul—School—Dept. Educ., Jan. 29, general contract 3 story and basement, 150 x 250 ft. with 2 story, 48 x 90 ft. wing rein.-con., brick and tile, Albert and Pascal Aves., from W. M. Murphy & Son, 616 Endicott Bldg., $339,958. Noted Jan. 24.

Tex., San Antonio—Y. M. C. A., 6 story, 90 x 180 ft., rein.-con., brick and stone, plain foundation, Martin and Navarro Sts., from L. T. Wright & Co., City Natl. Bank Bldg., $259,029. Noted Jan. 17.

Calif., Sacramento — College — Christian Brothers College, Martinez, two 2 story and basement, hollow tile, concrete or brick, here, from W. C. Keating, Capital Natl. Bank Bldg., Sacramento, $179,450. Noted Jan. 17.

CONTRACTS AWARDED

R. I., Pawtucket—School—School Com., 3 story, brick and steel fireproof, plain foundation, Silver Springs and Hancock Sts., to Rowley Constr. Co., Central St., $291,900. Archts. est. $350,000. Noted Jan. 17.

Conn., New Haven—Apartment—C. and G. Abbadessa, 159 Winthrop Ave., 3 story, 115 x 155 ft., brick, stone and steel, plain foundation, Dwight St., to C. Abbadessa, 159 Winthrop Ave. Archts. est. $200,000. Noted Jan. 17.

N. Y., Brooklyn — Apartment — Right Constr. Co., c/o Cohn Bros., archts. and engrs., 361 Stone Ave., will build 4 story, brick, steel and stone, plain foundation, Rogers Ave., by day labor. $200,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, P. S. 197, Elmore Pl. through to Delamere Pl., 200 ft. south of Ave. O, here, to T. A. Clarke Co., 122 Livingston St., $787,300, A deduct $14,000, B add $110,000, C add $4,000. Noted Jan. 31.

N. Y., Brooklyn—Synagogue and Community—Congregation Shaari Zadek, 124 Stuyvesant Ave., brick, steel and stone, plain foundation, Park Pl. and Kingston Ave., to John Auer, 648 Lexington Ave. Archts. est. $300,000. Noted Dec. 6.

N. Y., New York—Apartment—Five Hundred Sixty-Three West 184th St. Corp., c/o Margon & Glaser, archts. and engrs., 2806 3rd Ave., will build 6 story, 75 x 100 ft., brick, steel and stone, plain foundation, 563 West 184th St., by day labor. $150,000.

N. Y., New York—Apartment—J. Freeman, c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., will build brick, steel and stone, plain foundation, 122 East 84th St., by day labor. $250,000.

N. Y., New York—Apartment—S. Gordon, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, Burnside Ave., by day labor. $275,000.

N. Y., New York—Loft—L. Adler and A. Adelsohn, 500 7th Ave., 23 story, 100 x 100 ft., brick, steel and stone, plain foundation, 39th St. and 7th Ave., to Shroeder & Koppel, 347 Madison Ave. Archts. est. $1,500,000.

N. Y., New York—Loft—S. Bonzon, c/o Buchman & Kahn, archts. and engrs., 56 West 45th St., 18 story, brick, steel and stone, plain foundation, 49 West 38th St., to S. S. Roth & Bro., 130 West 42nd St.

N. Y., New York—Office—One Hundred Thirty-Two West 31st St. Corp., 146 West 26th St., 16 story, brick, steel and stone, plain foundation, 128 West 31st St., to J. Stewart & Co., 30 Church St. Archts. est. $2,000,000.

N. Y., New York—Theater—Chanin Constr. Co., c/o Reilly & Hall, archts. and engrs., 405 Lexington Ave., will build brick, steel and stone, plain foundation, 226 West 46th St., by day labor. $500,000.

N. Y., Roslyn—School—Bd. Educ. brick, steel and stone, plain foundation, Walliston St., to K. MacKay & Co., 9 Culver St., Yonkers. Archts. est. $250,000. Noted Jan. 10.

N. Y., Schenectady—Hotel—Schenectady Hotel Co., general contract 14 story, brick and steel, plain foundation, to H. L. Stevens Co., 522 5th Ave., New York City. Archts. est. $1,100,000. Noted Nov. 15.

N. J., Hightstown—High School—Bd. Educ. 2 story, brick, steel and stone, plain foundation, to Frank Priory, 5 State St., Trenton. Archts. est. $150,000. Noted June 14.

N. J., Jersey City—Church—St. Marys Roman Catholic Church, 246 2nd St., brick and stone top addition, 3rd and Erie Sts., to Montague Constr. Co., Jersey City. Archts. est. $370,000. Noted June 14.

N. J., Newark—School—Bd. Educ., City Hall, brick, steel and stone addition, Wilson Ave., to Morgan Constr. Co., 13 Coes Pl. Noted Dec. 6.

Pa., Bryn Mawr—School—Alden & Collins, archts., 75 Hembury St., Boston, Mass., 3 story, 74 x 147 ft. with 2 story, 64 x 92 ft. wing, brick, steel and stone, plain foundation, to Roydhouse-Arey Co., Fidelity Insurance Co. Bldg., Phila., for Baldwin School, Bryn Mawr. Noted Dec. 13.

Pa., Chestnut Hill (Phila. P. O.)—Apartment—R. R. McGoodwin, archt., 1600 Walnut St., 4 story and basement, 30 x 338 ft. with 32 x 58 ft. wing, brick and iron, plain foundation, Crefeldt St. and Evergreen Ave., here, to Jacob & Sons, Witherspoon Bldg., Phila., for Chestnut Hill Apartment Co., Real Estate Trust Bldg., Phila.

Pa., Indiana—High School—Bd. Educ., 3 story and basement, 150 x 150 ft. brick and steel, to Fullman & Co., E. E. Trust Bldg., Pittsburgh, $315,000. Noted Jan. 17.

Pa., Phila.—Church and Sunday School—First Reformed Church, 50th and Locust Sts., 1 story, 75 x 88 ft. church and 2 story, 60 x 72 ft. Sunday school, 50th and Locust Sts., to T. Trafford, 1613 Sansom St., $150,000.

Md., Baltimore — Apartment — M. A. Weller Constr. Co., 816 14th St. Wash., D. C., awarded contract 4 story, 160 ft. sq., brick and steel, plain foundation, St. Paul and 32nd Sts., here. Owners name withheld.

N. C., Hickory — High School — General contract brick high school, to Jarrett & Riddle Co., Sanford, $177,791. Noted Jan. 24.

La., New Orleans—Medical Office—Dana Syndicate, J. A. Dana, pres., 4 story, 38 x 69 x 103 ft., brick and white terra cotta, Tulane Ave. and Bolivar St., to G. J. Glover, Whitney Bank Bldg. $150,000.

Tenn., Jackson—Sanitorium—J. L. Cook Sanitorium, brick and concrete sanitorium, 100 bed capacity, to E. J. Holliday Co., Natl. Bank Bldg., Nashville, $150,000. Noted Jan. 24.

Buildings (Continued)

O., Canton—Store—Stern & Mann Co., Market Ave. N., 3 story, 66 x 200 ft., iron, steel and brick, Cleveland and Tuscarawas Sts. W., to Melbourne Bros. Co., 160 Clark Bldg., $300,000. Noted Jan. 31.

O., Cleveland—Apartment—A. H. Oyer, 515 Bangor Bldg., 3 story and basement, 42 x 162 ft., brick and steel, East 79th St. and Hough Ave., to J. Miller, 10819 Drexel Ave. Archts. est. $175,000. Noted Jan. 3.

N. D., Bismarck—Office—E. A. Hughes, 8 story and basement, brick, to J. Larson, Bismarck, $200,000.

Mo., St. Charles—Hospital—Sisters of St. Mary, 2nd and Clay Sts., general contract 3 story and basement, 50 x 75 ft., brick and concrete, plain foundation, to Ratermann Building & Contg. Co., 1943 St. Louis Ave. Archts. est. $150,000. Noted July 12.

Mo., St. Louis—Bank—Soulway Realty Co., 1731 South Bway., general contract 2 story and basement, 50 x 140 ft., brick, concrete and stone, Chouteau Ave., to A. H. Haeseler Building & Contg. Co., Wainwright Bldg. Archts. est. $150,000. Noted Dec. 13.

Mo., St. Louis—Office—See "Industrial Work."

Ark., Little Rock—Hospital—Arkansas Childrens Home, c/o O. P. Christian, fireproof hospital, to Herman & McCain Co., Reigler Bldg. Archts. est. $200,000.

Tex., Galveston—Laboratory, etc.—University of Texas, Galveston, 3 story and basement, 80 x 144 ft., laboratory and power house, concrete and brick, Ave. B, general contract to Munn Constr. Co., Southwestern Life Bldg., Dallas, $319,156; heating and plumbing to West & Gutziet, Houston St., San Antonio, $26,160. Noted Dec. 27.

Okla., Tulsa—Theatre—W. M. Smith, 5 story, 80 x 140 ft., rein.-con. and brick, plain foundation, Boston St., to Buckner-Garbett Constr. Co., 341 Kennedy Bldg., $325,000.

Okla., Tulsa—Theatre—W. M. Smith, c/o Rialto Theater, 7 West 3rd St., 5 story and basement, rein.-con., brick, steel and terra cotta, concrete foundation, West 4th St., general contract to Brickney & Garbett, Kennedy Bldg. Archts. est. $760,000.

Colo., Denver — Schools — School Dist., general contract Mitchell Junior High School, 3 story, Humboldt and Franklin Sts., between 31st and 32nd Sts., to P. J. Sullivan, Barth Blk., $624,400, plumbing, to Johnson-Davis Plumbing & Heating Co., Denver $35,000, heating, to J. Pfieffer, 1140 California St., $80,000; general contract Ebert Grade School, 2 story, 80 x 250 ft., 22nd and Glenarm Sts., to A. Olson, 655 Vine St., $174,358. Noted Dec. 6 and 13.

Colo., Ft. Collins—High School—School Dist. 5, Larimer Co., general contract 3 story, 150 x 350 ft., to A. Simpson Jr. Constr. Co., Colo. Natl. Bank Bldg., Denver, $350,000; plumbing, to B. Elderman, 2046 Walton St., Denver; heating to J. Pfieffer, 1140 California St., Denver. Noted Jan. 17.

Wash., Seattle — Medical — Medical and Dental Assn., 3 story (ultimately 18 story), rein.-con., 5th and Olive Sts., to Rounds Clist Co., Walker Bldg., $500,000. Former contract rescinded. Noted Aug. 2.

Calif., Long Beach—Hotel—Long Beach Hotel Co., Inc., 612 West Ocean Ave., 12 story and basement, 150 x 190 ft., rein.-con., Ocean Blvd. and Linden Ave., to Cahill Bros., 110 Sutter St., San Francisco, $2,500,000. Noted Jan. 24.

Calif., San Francisco — Hospital — St. Marys Hospital, Hayes and Stanyan Sts., 5 story, hospital addition, steel frame and concrete, to J. L. McLaughlin, 251 Kearny St., $300,000. Noted Oct. 11.

Calif., San Francisco — Post Office — J. Kulp, 33 South La Salle St., Chicago, 5 story, 141 x 206 x 289 ft., Class A, The Embarcadero, here, to Macdonald & Kahn, 130 Montgomery St., $500,000. U. S. Government, lessee. Noted Jan. 31.

Ont., Windsor—School—Bd. Educ., 2 story and basement, 10 room, school, Assumption St., general contract to Windsor Constr. Co., Windsor, $126,440.

Federal Government Work

PROPOSED WORK

Ky., Addison—Hardwood Piles—U. S. Engineer, P. O. Box 72, Louisville, plans to purchase 1,500 piles 25 ft. long, and 100 piles 40 ft. long, for Dam 45, Ohio River.

Calif., Menlo Park—Ice Plant and Laundry—U. S. Veterans Hospital having plans prepared by W. H. Ratcliff, Jr., 1st Natl. Bank Bldg., Berkeley, 1 story, rein.-con. ice plant, $20,000, and 1 story rein.-con. laundry, $40,000.

BIDS DESIRED

Mass., Chelsea—Dredging—Feb. 25, by Dist. Engineer, Custom House, Boston, dredging at lighthouse depot, 37 Marginal St., here.

R. I., Providence—Dredging—Mar. 4, at U. S. Engineer Office, Providence, dredging in Stamford and Greenwich Harbors, Conn.; adv. E. N.-R. Feb. 7.

N. Y., Tilden Fort (Far Rockaway Sta.) —Storehouse—Feb. 14, by U. S. Engineer, Room 608 Army Bldg., New York, storehouse here; adv. E. N.-R. Feb. 7.

D. C., Wash.—Boats—Mar. 3, at office Commissioner of Lighthouses, Wash., D. C., lighthouse tender Willow, also Light Vessel 111; adv. E. N.-R. Feb. 7.

Ala., Florence—Switchboard Apparatus, etc.—Mar. 4, by U. S. Engineer, War Dept., Wash., D. C., furnishing and delivering f.o.b. cars Sheffield, 1 switchboard, 1 storage battery, 2 motor generators sets, six 500 kva. transformers, 1 high potential testing set and 1 rotary converter for power house at Wilson Dam, Tennessee River.

Ala., Florence—Steel Barges—Feb. 23, by U. S. Engineer, Florence, 6 or 8 steel barges; adv. E. N.-R. Feb. 7.

Ky., Louisville—Crib Timbers—Feb. 12, by U. S. Engineer, P. O. Box 72, furnishing 411 pieces 10 x 12 in. x 20 ft. and 200 pieces 10 x 12 in. x 30 ft. timber for cribwork. Noted Jan. 24.

Ky., Louisville—Lumber—Feb. 11, by U. S. Engineer, P. O. Box 72, 4,240 pieces 2 x 12 in., in 14, 16, 20 and 24 ft. lengths, (140,000 ft. yellow pine No. 2 common and better).

Tex., Galveston—Dredging—Mar. 3, by U. S. Engineer, dredging Sabine-Neches Waterway, here; adv. E N.-R. Feb. 7.

Okla., Fort Sill—Hospital Ward—Mar. 1, by War Dept., at office constructing Quartermaster, Fort Sill, hospital ward, here; adv. E. N.-R. Feb. 7.

BIDS RECEIVED

Ga., Augusta—Hospital—Spec. 4922—F. T. Hines, dir. U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Feb. 4, (1) new buildings, (2) plumbing incl. fixtures, outside sewerage, drainage and water supply systems (3) complete heating and steam distributions (4) lighting systems incl. outside electric distributing and street light systems (5) remodeling buildings incl. plumbing, lighting and heating, from Batson-Cook Co., West Point, Ga., (1) $259,300; C. J. Gleason, 1526 Walton Way, Augusta, (2) $33,157; North Eastern Constr. Co., 101 Park Ave., New York City, (3) $55,507 (2) and (3) $102,024 (3) and (4) $69,330 (2) (3) and (4) $115,851 (1) to (5) inclusive $535,103; W. P. Frances, 390 Lucile Ave., Atlanta, (1) and (5) $335,326; W. P. Thurston, Merchants Natl. Bank Bldg., Richmond, Va., (5) $49,000. Above bids are total low bids without additions and deductions. Full list of bids and bidders are filed in office of Engineering News-Record. Noted Jan. 10.

Mo., Kansas City — Extension — Treas. Dept., Wash., D. C., extension to U. S. Post Office, here, from Devault & Detrick, Canton, O., $303,935, alternate $334,864. Noted Jan. 3.

CONTRACTS AWARDED

N. Y., New York—Finding Tower—U. S. Engineer, Room 608 Army Bldg., furnishing and erecting on concrete foundation one 100 ft. range finding tower, to M. A. Hammond Constr. Co., 15 Park Row, $10,925. Noted Jan. 17.

Va., Hampton Roads — Dredging — Spec. 4935—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging Naval Operating Base, here, to Norfolk Dredging Co., 71 Compostella Rd., Norfolk, $0.188 per cu. yd. Noted Jan. 17.

Tenn., Memphis—Towboat—U. S. Engineer, 3rd Mississippi River Dist., 1006 McCall Bldg., stern wheel steel hull towboat, to Howard Shipyards & Dock Co., Jeffersonville, Ind., $119,745 (181 days). Noted Jan. 10.

Wis., Milwaukee—Scow and Barge—U. S. Engineer, Federal Bldg., 2 steel dump scows and one steel barge, to Sturgeon Bay Dry Dock Co., Sturgeon Bay, $47,500. Noted Jan. 24.

Calif., San Diego—Mooring Mast—Spec. 4916—Bureau Yards & Docks, Navy Dept., Wash., D. C., mooring mast at Naval Base, here, to DeWard & Cobham, 207 Granger Bldg., $10,997 (60 days).

Unclassified

PROPOSED WORK

Gas Mains—New York—Municipal Gas Co., 126 State St., Albany, having plans prepared extending gas mains and service to Delmar and Slingerlands by way of Delaware Ave. $95,000. Private plans.

Wading Pool, etc.—Buffalo, N. Y.—City plans improving present wading pool in Humboldt Park, by constructing new sewer and water connections, concreting present mud bottom. $45,000. J. Meahl, City Hall, comr.

Lighting System—Masonville, N. Y.—Masonville Light & Power Co. plans lighting system. $85,000.

Transmission Lines, etc. — New York — See "Industrial Work under Horicon, N. Y."

Fire Alarm System—Miami Beach, Fla.—Feb. 19 to vote on $40,000 bonds fire alarm system.

Transmission Line—Tennessee—Davidson Light & Power Co., Springfield, plans to extend transmission lines to Orlinda, Millsdale, Mitchell, Coopertown, Barren Plains, Cedar Hill, Handleytown, and to point near Keysburg (Ky.-Tenn. line.)

Automatic Signal Control — Nashville, Tenn.—Bd. Pub. Wks. plans automatic signal traffic control system at main street intersections.

Gas Mains—Nashville, Tenn.—Nashville Gas & Heating Co., 226 6th Ave. N., plans 15 mi. gas mains in Belle Meade, Englewood, and Gallatin Rd. Sect. of Nashville. $145,000. S. E. Linton, genl. mgr.

Line Extension, etc.—Nashville, Tenn.—Cumberland Telephone & Telegraph Co., Telephone Bldg., plans to spend $3,600,000 for extensions, improvements, exchange buildings, etc. K. C. Hardcastle, dist. mgr.

Distributing System—Fredonia, Kan.—See "Industrial Works."

Subway—St. Louis, Mo.—Plans X shaped subway under intersection of Grand and Washington Blvds. $25,000. C. H. Fisk, City Hall, engr.

Park Improvements—Little Rock, Ark.—Making preliminary plans park improvements, incl. new swimming pool, golf links, playgrounds, zoo, theatre and stadium, $1,000,000. Pease-Robinson, Fine Arts Bldg., Des Moines, Ia., archts.

White Way—Colorado, Tex.—See "Streets and Roads."

Grain Elevator—Gainesville, Tex.—Keel & Son plan grain elevator. $40,000. Engineer and architect not announced.

Transmission Line—Carter, Okla.—Voted $25,000 bonds, electric transmission line from here to Elk City, also distribution system here. J. D. Bomford, Enid, engr.

Subway—Fresno, Calif.—Plans to vote on $50,000 bonds for Monterey St. subway. W. Stranahan, city engr.

Lighting System — Alhambra, Calif. — Plans lighting system on portion Main St. and Garfield Ave., c.i. standards. To exceed $100,000. T. B. Downer, city engr.

Pipe Line, etc.—San Diego, Calif.—San Diego Consolidated Gas & Electric Co., Electric Bldg., had plans prepared pipe line, 13,044 lin.ft. of 18 in. wood or cement pipe; storage dam, 155 ft. high, 1,520 ft. long on top, 50 ft. long on bottom, 15 ft. wide on top, cyclopean masonry construction with spillway section, 24 in. gate valves; power plant utilizing fall of 1,770 ft. developing 2,011 hp. using 650 kw., generators driven by impulse waterwheels. H. R. Peckham, genl. supt.

High Tension, Underground Power and Feeder Lines, etc.—British Columbia—British Columbia Electric Ry. Co., 425 Carroll St., Vancouver, plans following expenditures this year, high tension lines from Lake Buntzen and Stave Lake to Vancouver $563,000, underground power and industral feeder lines $304,000, substations and transformers $421,000, street lights $304,000, substations and transformers $421,000, street lights $70,000, high tension switches and gears $265,000, new light and power connections $266,000, work on Stave Falls plant and Brend Slough Dam $1,090,000, other miscellaneous work $116,000. G. Kedd, genl. mgr.

Coal Bunkers—Vancouver, B. C.—Harbor Comrs., 712 Pender St. W., plans to build and equip coal bunkers. $500,000. W. G. Swan, c/o owner, engr.

Tunnel — Vancouver, B. C. — British Columbia Electric Ry Co., 425 Carrol St., having plans prepared and takes bids in about 3 months, tunnel ¾ mi. long from Aluette Lake to Stake Lake, also preliminary work on 12,000 hp plant. $760,000. J. I. Newell, c/o owner, engr.

Unclassified (Continued)

BIDS DESIRED

Dikes, Bulkhead, etc.—Plymouth, Mass.—Feb. 23, by Plymouth Relocation Com., at Town House, stone dikes, wooden bulkhead, coal and fish wharves, etc. Fay, Spofford & Thorndike, 200 Devonshire St., Boston, engrs.; adv. E. N.-R. Feb. 7.

Borings, etc.—New York—Feb. 15, by Transit Comn., 49 Lafayette St., New York City, land and river borings along North Jane St., Jackson Ave., Manhattan Ave., Roebling St., Bedford Ave., and in Newtown Creek, in Queens and Brooklyn Boros. Agreement "CW," Route 70. G. McAneny, chn.

Shaft Superstructure—New York, N. Y.—Feb. 15, by Transit Comn., 49 Lafayette St., superstructure over ventilating shaft and 2 connecting passageways between tubes of 14th St.-Eastern Rapid Transit R.R., Route 8, Sect. 3, Agreement "CX." G. McAneny, chn.

Levee—Charleston, Miss.—Feb. 11, by Matthews Bayou D. D., 9 mi. ditch, 108,000 cu.yd., and 5 mi. levee, 73,000 cu.yd. Elliott & Harmon Eng. Co., McCall Bldg., Memphis, Tenn., engrs.

Dock—Ashland, Wis.—Minneapolis, St. Paul & Saulte Ste Marie Ry. Co., 1st Natl.-Soo Line Bldg., Minneapolis, Minn., taking bids and opens same about Feb. 15, superstructure addition to ore docks, 900 ft. long, 300 pockets, here, bids on two types, concrete, and concrete and pre-cast steel. Bids on substructure under advisement. $1,000,000-$1,500,000. R. S. Clare, c/o owner, ch. engr.

Tractors, etc.—Houston, Tex.—Feb. 18, by H. L. Washburn, aud. Harris Co., 4 tractors and 2 graders. Howe & Wise, co. engrs.

Lamp Posts, etc.—Newport Beach, Calif.—See Streets and Roads.

BIDS RECEIVED

Heating and Ventilating Apparatus—Brooklyn, N. Y.—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Feb. 4, heating and ventilating apparatus in P. S. 196, Bushwick Ave. between Scholes and Meserole Sts., for Bd. Educ., 500 Park Ave., New York City, from Almirall & Co., Inc., 1 Dominick St., New York City, $111,119. Noted Jan. 31.

Heating and Ventilating Apparatus—New York, N. Y.—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, Feb. 4, heating and ventilating apparatus in George Washington High School, Audubon Ave., also in P. S. 75, Faile St. north of Whitlock Ave., for Bd. Educ., 500 Park Ave., from Almirall & Co., Inc., 1 Dominick St., $287,425 and $111,633 respectively. Noted Jan. 31.

CONTRACTS AWARDED

Pier—Baltimore, Md.—Baltimore & Ohio R.R., B & O Bldg., 2 story, 185 x 1,046 ft., concrete and brick, Locust Point, to Frainie Bros. & Haigley, 19 West Franklin St., $1,000,000. Noted Jan. 17.

Golf Course—Louisville, Ky.—Louisville Country Club, Upper River Rd., 18 hole golf course, to W. T. Travis, Garden City, Long Island, N. Y. Est. cost $50,000. Noted Oct. 4.

Park Improvements—Houston, Tex.—Park Improvements incl. pergola, walks and band stand with shelter house, brick and concrete, Root Sq., to M. C. Parker, West Bldg., $24,000.

Electric Light and Power System—Toronto, Ont.—Toronto Hydro Electric Comrs., 225 Yonge St., will extend electric light and power distribution systems, by day labor. $1,940,000.

Materials and Equipment

PROPOSED WORK

Oil and Tar—Trenton, N. J.—Mercer Co. soon takes bids oil and tar for coming year. $60,000. H. F. Harris, Court House, engr.

Street Grader, Sweeper, etc.—Nashville, Tenn.—City plans to purchase street grader, excavator and loader, rooter plow and sweeper. W. H. Peebles, supt. streets.

Road Grader—Madera, Calif.—City Trustees plan to purchase road grader.

BIDS DESIRED

Sand Grits—New York, N. Y.—Feb. 14, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., 7,500 cu.yd. sand grits.

Steam Rollers—New York, N. Y.—Feb. 15, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., two 10 ton macadam steam rollers.

ROAD WORK—CALIFORNIA

Following are lowest three bids opened by State Highway Comn., Sacramento, Jan. 14, for highway from Huntington Beach to Corona Del Mar, Orange Co., (A) W. F. Beal, Brawley; H. H. Peterson, San Diego; (C) Kaiser Paving Co., Oakland. The unit bids were as follows:

	A	B	C
111,100 cu.yd. roadway embankment without classification	$0.59	$0.58	$0.74
187,000 sta.yd. overhaul (two stations or less)	.02	.02	.02
746,900 sta.yd. overhaul (greater than two stations)	.01	.01	.01
135 cu.yd. structure excavation without classification	1.10	2.00	1.50
18,585 lin.ft. repairing and shaping subgrade pavement	.18	.25	.20
7,920 cu.yd. class "A" portland cement concrete (pavement)	12.96	13.20	14.00
90 cu.yd. class "A" portland cement concrete (structures)	24.00	27.00	30.00
55 cwt. bar reinforcing steel in place structures	7.00	6.50	7.00
723 lin.ft. 18 in. reinforced concrete pipe	2.05	2.10	3.00
372 lin.ft. 24 in. reinforced concrete pipe	2.60	3.15	4.00
136 monuments, hauling and setting	1.00	2.50	2.00
Extended totals	$188,025	$190,925	$215,237

HIGHWAY—CALIFORNIA

Following are lowest three bids opened by State Hy. Comn., Forum Bldg., Sacramento, Jan. 21, for constructing highway in Ventura Co., Div. 7, Route 2, Sect. A-B, (A) C. W. Wimmer, Bakersfield; (B) Wells & Bressler, Santa Ana; (C) S. Hunter, Santa Barbara. The unit bids were as follows:

	A	B	C
32,000 cu.yd. roadway excavation without classification	$0.70	$1.00	$0.75
6,100 sta.yd. overhaul (two sta. or less)	0.02	0.02	0.02
211,500 sta.yd. overhaul (greater than two stations)	0.01	0.01	0.01
1,000 cu.yd. structure excavation without classification	1.26	2.00	1.20
21,750 cu.yd. class "A" portland cement concrete (pavement and shoulders)	13.50	14.10	14.75
400 cu.yd. class "A" portland cement concrete (structures)	26.25	30.00	30.00
357 cwt. bar reinforcing steel in place (structure)	6.10	7.00	6.00
45,680 sq.yd. reinforcing steel in place (pavement)	0.23	0.36	0.30
90 lin.ft. 12 in. corrugated metal pipe	1.00	2.00	1.00
282 lin.ft. 18 in. corrugated metal pipe	2.10	2.50	1.50
208 lin.ft. 24 in. corrugated metal pipe	2.70	3.00	2.00
26 lin.ft. 36 in. corrugated metal pipe	3.50	5.00	2.50
150 cu.yd. removal of broken concrete in existing base	2.00	5.00	3.00
Extended totals	$344,341	$376,245	$377,540

Hoisting Machinery and Equipment—Ft. Wayne, Ind.—Feb. 25, by Bd. Pub. Wks., City Hall, furnishing, constructing and installing hoisting machinery and equipment for movable dam across Maunee River. A. W. Grosvener, 122 East Washington St., Ft. Wayne, and C. Brossman, 1503 Merchants Bank Bldg., Indianapolis, designing engrs.; adv. E. N.-R. Feb. 7.

Portable Road Repair Outfit—Chicago, Ill.—Feb. 20, by South Park Comrs., 57th St. and Cottage Grove Ave., portable road repair outfit. J. F. Neil, secy.; adv. E. N.-R. Feb. 7.

Markers—Wisconsin—Feb. 14, by State Hy. Comn., Madison, 20,000-30,000 metal highway markers. A. R. Hirst, state highway engr.

Cement—Sheboygan, Wis.—Bd. Pub. Wks., c/o A. Bailey, pres., City Hall, taking bids 20,000-30,000 bbl. cement for 1924 paving. Private plans.

Rock Crushing Outfit—Waukesha, Wis.—C. J. Hahn, comr. Waukesha Co., taking bids one portable rock crushing outfit.

Tractor—Benson, Minn.—Mar. 19, by D. P. Carney, aud. Swift Co., 1 gas tractor, crawler type, 40- to 60-hp.

Wood Block, Asphalt, etc.—St. Paul, Minn.—Feb. 13, by H. W. Austin, city purch. agt., 1,200 sq.yd., more or less, 3½-in. creosoted wood blocks; 200 tons asphalt for street repairs; 170 tons limestone dust for street repairs; manhole frames and covers for Dept. Pub. Wks. G. M. Shepard, city engr.

Concrete Mixer, etc.—Baxter Springs, Kan.—J. W. McAndrews in market for concrete mixer and electric hoist.

Road Maintenance Equipment—Texas—Feb. 19, by State Bd. Control, Purchasing Div., c/o R. B. Walthall, Austin, maintenance equipment for use by State Hy. Dept., incl. eight 10 ton and fifteen 5 ton crawler type tractors with or without cabs; forty 2 ton tractors; thirty 1 man operated power maintainers with or without traction wheels, rubber tires; ten 300 gal. asphalt heaters, mounted on rubber tired auto trailers and equipped with 2 pouring pots, 2 hot tampers, 2 asphalt rakes and 2 asphalt smoothing irons; ten 110 gal. asphalt heaters mounted on steel-wheeled auto trailer and equipped with 2 pouring pots, 2 tampers, 2 asphalt rakes and 2 asphalt smoothing irons; ten gasoline pavement heaters; forty 7 ft. graders with extension blades, engine hitch complete and 2 extra bits; forty 6- to 6½-ft. graders, 2 horse patrol, with 2 extra bits; twenty 8 ft. and eight 12 ft. graders with scarifier attachment, extension blades, back sloper, engine hitch complete and 2 extra bits; thirty 1 ton trucks with cab, pneumatic tires, bids to be made on chassis, one cu. yd. steel gravity dump body and cargo body; one hundred 4 ft. 3 horse Fresnos complete; one hundred 5- to 7-cu.ft. slip scrapers with runners; fifty 4 horse all steel road plows complete, 4 heavy duty plows with tractor hitch; eight 5 ton low suspension, rubber tires, 4 wheel auto trailers. L. Ehlinger, maintenance engr.

Crushing Machinery, etc.—Miami, Okla.—Enterprise Mining Co. in market for complete machinery for heavy crushing and separating plant, engines, compressors, etc. R. E. Weaver, purch. agt.

Road Machinery—Ottawa, Ont.—Suburban Rds. Comn., 1 Findlay Ave., taking bids road machinery. $8,000.

Supplies—Toronto, Ont.—Feb. 26, by S. L. Squire, deputy minister of highways, Parliament Bldg., furnishing supplies for 1924, incl. calcium chloride, tar, road oil, paint, crushed stone, portland cement, pipe, expansion joint material, wire rope, babbitt, waste, and steel reinforcement, etc. $250,000 to $500,000. G. Hogarth, ch. engr.

BIDS RECEIVED

Asphaltic Cement, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Jan. 30, (1) 950 tons asphaltic cement in tight containers (2) 600,000 gal. road oil (cold application) (3) 100,000 gal. asphaltic road oil (hot application) (4) 150,000 gal. asphaltic macadam binder (5) 25,000 gal. asphalt for patching (cold application) (6) 45,000 gal. fuel oil, from Standard Oil Co., 26 Bway., New York, (1) $18,212 (4) $8,475; Texas Co., 17 Battery Pl., New York, (2) $29,100; Warner Quinlan Co., 79 Wall St., New York, (3) $5,386 (5) $3,900 (6) $24,300. Noted Jan. 24.

Steam Rollers—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Jan. 28, 1 tandem steam roller, from Buffalo Springfield Roller Co., 150 Nassau St., New York City, $2,900. Noted Jan. 24.

Lumber—Milwaukee, Wis.—For 113,000 ft. yellow pine and 65,000 ft. oak lumber for use of Dept. Bridges & Buildings, from J. Schroeder Lumber Co., foot of Walnut St., for all untreated material, $11,667; Jennison-Wright Co., 2463 Bway., Toledo, O., for creosoted material. $8,561. Noted Jan. 24.

CONTRACTS AWARDED

Road Oil—Urbana, Ill.—Champaign Co., furnishing 598,125 gal. road oil, to Standard Oil Co., Woodriver, $0.0563 per gal., total $33,675; 704,625 gal. to Indian Refining Co., Lawrenceville, $0.0563, $43,612; 190,000 gal. to Roxana Refining Co., Arcade Bldg., St. Louis, Mo., $0.0568, $10,792; 296,000 gal. to Independent Oil Co., Paris, $.0542, $15,718; 60,000 gal. to Amer. Mexican Refining Co., 11 South LaSalle St., Chicago, $0.0542, $3,252; 50,000 gal. to H. H. Cross Co., 122 South Michigan St., Chicago, $0.0544, $2,720; spreading oil to J. Bateman, Fisher, $19,800.

Steel—Milwaukee, Wis.—See "Industrial Works" under Warehouse.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

E.N.-R.

OFFICIAL PROPOSALS

Bids: Mar. 3.

Robert Street Bridge at St. Paul, Minnesota, for Ramsey County

St. Paul, Minn.

Sealed proposals will be received by the Board of County Commissioners of Ramsey County, Minnesota, at their offices in the Court House, in the City of St. Paul, until ten o'clock a.m., March 3, 1924, at which place and time the proposals will be publicly opened and read aloud.

The work to be done includes the bridge complete, together with street paving, curbs and sidewalks from 3rd Street to Fillmore Street, and miscellaneous building and sewer changes. The bridge will consist of 8 arch spans ranging in length from about 72 feet to 244 feet and having an aggregate length of about 1,086 feet; and approaches having a combined length of some 449 feet. The street improvements at both ends add a total length of about 403 feet. A number of retaining and supporting walls are included, especially in the portion between the end of the south approach proper and Fillmore Street. The bridge and approaches provide for a 56 foot roadway and two sidewalks.

Proposals shall be made in the form of the Proposal Blank prepared for this work. Each proposal shall be accompanied by a certified check or Bidder's Bond made payable to the Treasurer of Ramsey County, for an amount equal to ten per cent (10%) of the bid to be forfeited to the County as liquidated damages (not penalty) by any bidder who is awarded a contract and who fails to execute the contract and bond promptly. Certified checks will be returned to bidders upon execution of contract and bond or sooner upon action of the Board of County Commissioners. Proposals shall be placed in a sealed envelope with a statement thereon showing the work covered by the proposal and addressed and delivered to the County Auditor on or before the said date.

Plans, specifications and proposal blanks are on file at the office of the County Auditor and in the offices of Toltz, King and Day, Inc., Engineers and Architects, St. Paul, Minnesota. Copies of the plans, specifications and proposal blanks will be furnished upon payment to Toltz, King and Day, Inc., of $50.00 for each complete set, &25.00 of which will be refunded upon the return of plans and specifications in good condition within two (2) weeks after bids are received.

A bond satisfactory to the Board of County Commissioners for the full amount of the Contract price will be required.

This work will be paid for in cash. Monthly estimates equal to 85 per cent of the work done, and approved materials for construction delivered on the job during the month, will be paid to the contractor within fifteen (15) days after the allowing of same and a final estimate on the completed work will be paid within thirty (30) days after the same is accepted and approved by the Engineers and the Board.

Work is to begin within thirty (30) days after the signing of the contract, and must be completed by April 1st, 1926.

The Board reserves the right to reject any and all bids and to waive any informalities.

By Order of the County Board:
Dated at St. Paul, Minnesota.
January 14, 1924.

GEORGE J. RIES,
County Auditor of Ramsey County.

OFFICIAL PROPOSALS

Bids: Feb. 25.

Movable Dam

Department of Public Works,
Office of the Board,
Room 2, City Hall.
Fort Wayne, Ind., Jan. 28, 1924.

Notice is hereby given by the Board of Public Works of the City Hall of Fort Wayne, Indiana, that sealed proposals will be received by them at their office until Monday, February 25, 1924, at 10:00 o'clock a.m., for the furnishing, construction and installation of hoisting machinery and equipment for a movable dam across the Maumee River at Fort Wayne, Indiana.

The principal items included in the proposed work will consist of a main hoist located on a river pier to operate separately; two (2) steel rollers, each ten (10) feet in diameter, and ninety-nine (99) feet in length weighing one hundred (100) tons each; also a secondary hoist to operate separately or altogether three (3) vertical gates and one (1) Tainter gate.

The estimated cost of the proposed improvement is Nineteen Thousand ($19,000.00) Dollars.

Bidding forms, non-collusion affidavit, and envelopes must be obtained from the undersigned Board of Public Works.

All work done, material and equipment furnished, shall be in accordance with plans and specifications therefor, which are now on file and may be seen in the office of the Department of Public Works of said city, and also at the office of the designing engineer, A. S. Grosvenor, 122 East Washington Street, Fort Wayne, Indiana, and Charles Drossman, 1503 Merchants Bank Building, Indianapolis, Indiana.

The bidder in submitting a proposal for the furnishing, construction and installation of hoisting machinery and equipment as called for and mentioned in aforementioned plans and specifications must accompany his proposal with a certified check in the sum of Five Hundred ($500.00) Dollars, made payable to the City of Fort Wayne, Indiana, as an evidence of good faith that he will execute within five (5) days from the acceptance of his proposal a contract and bond signed by a surety company satisfactory to said Board of Public Works of the City of Fort Wayne, Indiana.

A failure of the successful bidder to enter into such a contract and bond upon the acceptance of his proposal will forfeit the check and sum of money payable thereon to the City of Fort Wayne, Indiana, as agreed and liquidated damages for such failure.

The Board reserves the right to reject any or all proposals submitted.

JOHN B. KOCES,
OTTO F. BENGS,
JESSIE BROSIUS,
BOARD OF PUBLIC WORKS
Attest: ANDREW J. APP,
Secretary Board of Public Works.

Bids: Feb. 21.

Water Works Improvements

Palmyra, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of Palmyra, N. Y., until 8 o'clock, p.m., on the 21st day of February, 1924, for the construction of improvements to its water works system, consisting in general of a distributing reservoir, a storage reservoir, slow sand filter, pump well, pump house and connecting piping.

Plans and specifications may be seen at the office of the Board at Palmyra, N. Y., or at the office of Hopkins and Field, Engineers, 349 Cutler Building, Rochester, N. Y. Plans will be sent by the engineers upon a deposit of ten dollars.

Bids will be received and considered for the entire work as a whole. Also bids will be received and considered, separately.

(a) For the construction of the storage reservoir and pipe laying.
(b) For the filter, pump well and pump house.
(c) For the distributing reservoir.

The Board reserves and has the right to reject any or all bids or to accept those that in its judgment will be for the best interests of the Village.

A bond satisfactory to the Board in amount and surety will be required of any one to whom a contract may be awarded.

A certified check, made payable to the order of the Board of Trustees, Palmyra, N. Y., to the amount of $1,000, must be deposited by each bidder and accompany his bid as a guarantee that, in case a contract is awarded him, he will, within ten days thereafter, execute such contract and furnish his bond.

Bids must be sealed and addressed to the Board of Trustees, Palmyra, N. Y., and marked on the outside of the envelopes "Proposal for Water Works Improvements."

Village of Palmyra, N. Y.
By LOUIS C. ZIEGLER, President.
RALPH H. MORHOUS,
CLARENCE C. NESBITT,
CHARLES LEBRECHT,
ANDREY Y. EARL, Trustees.
SANFORD M. YOUNG, Clerk.
Dated: January 25, 1924.

Bids: Feb. 11.

Cast Iron Pipe and Castings

Springfield, Mass.

Sealed proposals will be received by the Board of Water Commissioners of Springfield, Mass., at its office in the Municipal Building, on or before 10 a.m., Monday, February 11, 1924, for the furnishing of cast iron water pipe and special castings.

The proposal shall state price per ton of 2,000 lbs., f.o.b. Armory, Mass., for each size of pipe and each size and kind of special casting, in accordance with the following schedule.

200 lengths Class E. 4" cast iron pipe.
300 lengths Class E. 6" cast iron pipe.
2,200 lengths Class E. 8" cast iron pipe.
2 Class F. 24" to 30" Increasers, both ends spigot.
2 Class F. 30" to 36" Increasers, spigot and bell.
10 Class I. 6" Offsets, bell and spigot.
15 Class H. 12" Sleeves.
10 Class H. 16" Sleeves.
2 Class F. 30" Sleeves.
3 Class F. 36" Sleeves.
10 Class I. 8" Ys, bell and spigot.
1 Class H. 10" Y, bell and spigot.
1 Class H. 12" Y, bell and spigot.

All pipe and special castings to be manufactured in accordance with N. E. W. W. A. specifications.

A bond may be required of the successful bidder on this contract.

Proposal shall be in a sealed envelope marked "Proposal for Cast Iron Pipe." It shall also contain a statement as to the dates and rate of delivery for the pipe and special castings.

The right is reserved to eliminate any size from the proposal or to accept the proposal for any sizes without the acceptance of the entire bid. The right is also reserved to reject any or all bids or to accept any bid or any portion of any bid which it may be deemed to the interest of the City of Springfield so to do.

H. M. KING,
Superintendent.

Springfield, Mass.
January 24, 1924.